

REMARKS

ON THE

BEST METHODS OF EXHIBITING

EVERY DESCRIPTION OF

RAW PRODUCE

AT

CENTRAL AND PROVINCIAL EXHIBITIONS,

APPLICABLE ALSO TO

COLLECTIONS FOR LOCAL MUSEUMS.

BY

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ACTING SECRETARY TO THE SUB-COMMITTEE OF RAW PRODUCTS,

MADRAS EXHIBITION.

MADRAS:

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PREFACE.

In offering the following remarks upon what appear to be the best methods of exhibiting raw produce whether in an Exhibition or Museum, it is not intended to lay down *fixed rules* by which it is necessary that future Exhibitors should be guided, but rather to throw out *hints* for the information of those who may not have had an opportunity of witnessing former exhibitions, but who are nevertheless desirous of showing their collections to the best advantage.

Peculiar circumstances will doubtless necessitate some modifications of the methods here laid down, but the same principles will be found applicable with trifling alterations to all cases, and the adoption of a more careful system of forming and labelling collections for Exhibitions and provincial Museums, will render these institutions sources of more extended good to the public.

GENERAL REMARKS.

Before proceeding to notice in detail the arrangements which appear most suitable to be observed, in forwarding for exhibition the various descriptions of raw produce, it may not be amiss to take a general view of the subject, and of the objects to be attained by exhibitions and museums.

Exhibitions both Central and Provincial, have for their chief object, the improvement of the country at large, by encouraging the production of new or improved articles of commercial and domestic use, and of bringing to the notice of scientific men, merchants, and the public generally, the existence of many rich and valuable articles of commerce, of which, without the aid of these gatherings, they would in all probability long remain ignorant; whilst museums may be regarded not only as the depositories of all that is either useful or curious, but as “books of reference” to the naturalist and man of science, and as an agreeable source of instruction and amusement available to all.

Moreover in a country like India, the natural products of which are comparatively so little known to those who are the best able to turn them to some practical use, it is not sufficient that an exhibitor who is desirous of bringing some new or improved product into notice, should send a rough specimen of it to an exhibition or museum. If it were an article of general trade or universal consumption this would doubtless suffice, but in most cases, the specimen to be of any practical use, should be accompanied by detailed information of its price, mode of production, quantity procurable, &c. &c., in short with all the data necessary to enable a merchant or other person not previously acquainted with the article, to tell almost at a glance, its probable value in the economic or industrial arts. It will be the object of the following remarks to point out the information required with raw produce of every sort.

The subject may be divided into two sections as follows:—

Section 1.—Instructions for the *transmission* of collections to an Exhibition or local Museum, specifying the best form of preparing the “descriptive lists” which should accompany them, and which form the ground-work of the classified catalogue.

Section 2.—Instructions for *preparing and arranging* the articles comprised in the above collections according to the classification adopted in the foregoing catalogue—comprising a brief list of the articles included in each section, description of the cases, labels, &c. and the heads of information required to be specified in the descriptive list, mentioned in Section 1.

SECTION I.—INSTRUCTIONS FOR TRANSMITTING CONTRIBUTIONS TO AN EXHIBITION OR MUSEUM.

Outside Labels.—The labels to be affixed to cases containing raw produce of every description will be the same in every instance; they should specify.—(1.) The contents of the box, i. e. whether it be Minerals, Chemical products, Substances used as food, or Substances used in Manufactures.

(2.) The Surname, Christian name, and profession of the Exhibitor—the surname should always be placed first.

(3.) The District or collectorate, and the town at which the Exhibitor resides.

(4.) How to be disposed of at the close of the exhibition i. e. whether for sale at the price affixed, for sale unconditionally, or whether to be returned to the Exhibitor direct, or through his agents. In transmitting articles to a Museum this is of course unnecessary.

It is moreover advisable to avoid mixing the articles of different classes in one case, for the obvious reason, that such a course precludes the possibility of a correct and careful classification of objects, within the Museum or Exhibition building, without removing the several articles from the case. It moreover adds much difficulty to the labours of the Jurymen, who have to search out from the midst of a miscellaneous collection, the few articles comprised under their own field of enquiry. A careful labelling of cases as recommended above, will, with the still more important labelling of their *contents* (to be afterwards described) render the classification and suitable disposition of the numerous contributions to a Museum or Exhibition a work of comparative ease, whereas the omission of the precautions, which to the individual contributor may appear a matter of small consequence, considerably augments the labour devolving on the officer entrusted with the arrangement of an Exhibition or Museum.

Descriptive lists and Classified Catalogue.—As it is generally impossible, within the limited space of the label affixed to articles, to specify all the information required concerning them, (although this should be done as far as practicable), descriptive lists should be prepared with the greatest care, in duplicate, according to the form shown in Fig. 2; one copy of which should be sent with the articles themselves (attached by some suitable means to the case in the manner hereafter described) and the

MINERALS.

Pritchard James.—Iron founder.
Rajamundry.—Dowlaischwaram.

Private property to be returned.

Fig. 1.

INSTRUCTIONS FOR EXHIBITING RAW PRODUCE.

second copy should be forwarded direct to the Exhibition Committee, or to the Curator of the Museum

List of MINERALS exhibited by
Pritchard James.—Iron founder.
Rajamundry. —Dowlaishwaram.

Private property to be returned.

No.	Articles.	Descriptions.

Fig. 2.

tions. Good examples of these will be seen in the Canara, Guntoor and Travancore Reports of 1855, and the Hyderabad and Malabar Reports of 1857.

Having thus taken a brief view of the mode of forwarding the finished collection to an exhibition or museum, and of the mode of framing the accompanying list ; we proceed to examine in detail the principles upon which the objects comprised in each collection should be prepared for exhibition.

SECTION II.—INSTRUCTIONS FOR PREPARING AND EXHIBITING RAW PRODUCE.

As the directions for preparing, and exhibiting, will differ slightly with each description of raw produce, the divisions of the Classified Catalogue have been adopted, and detailed instructions will be found under each head.

Class I.—Metallurgical processes and Mineral products.

Case for transmission to a distant exhibition.—This should be divided into compartments, four inches square by three inches deep, the divisions to be about one quarter of an inch thick and flush with the cover of the box, so that in the event of the case being by accident inverted, no mixture of the contents need be apprehended; the outer walls and bottom should be made of $\frac{3}{4}$ or $\frac{1}{2}$ in. plank. The cover should be made to slide on, in preference to being attached by hinges, as it can then be placed underneath the box when exhibited.

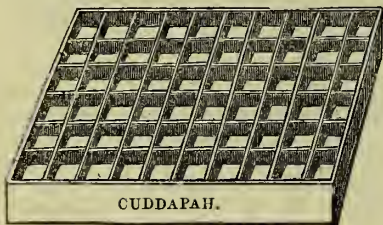

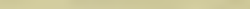


Fig. 3.



CUDDAPAH.

Fig. 3.

from place to place without fear of mislaying the top.

Case for a Museum.—The above arrangement is perhaps the most suitable for specimens which have to be sent some distance for exhibition. When however the case is required for a local museum, the annexed form Fig. 4 will be found better adapted. A glance at the wood cut will render a description unnecessary. This kind of case should, when the funds of the museum permit, be covered with glass.

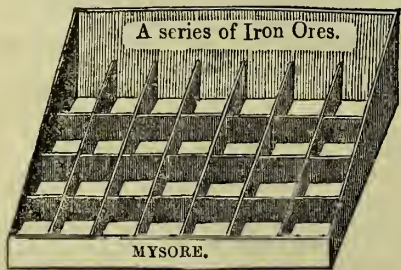


Fig. 4.

Labels.—The specimens themselves should be simply numbered with laboratory ink, and a corresponding number affixed to the top of the partitions containing them. A label of thin paper with the name of the mineral and the locality whence obtained may be glued to the inner wall of the compartment facing the spectator. Paper labels attached to minerals are not found to answer, as they invariably become detached by the heat of the atmosphere.

Descriptive list.—This list, already described above, should be made out in the form Fig. 2, (the numbers corresponding with those on the specimens) and should contain a full description of each article mentioning the exact locality in which it is found, the minerals accompanying it, and the character of the adjacent strata, as well as a brief sketch of the geological features of the neighbourhood. An example of this may be seen in the contributions from Cuddapa in the first part of this Catalogue.

* It would be advisable to have the forms for each of the four classes of raw products printed on different colored paper to simplify the labours of the compiler.

† When any doubt exists as to the class to which any description of produce belongs, it may be seen at a glance by a reference to the preceding Catalogue.

† According to the system laid down in Class 2 of this Catalogue.

INSTRUCTIONS FOR EXHIBITING RAW PRODUCE.

Class II.—Chemical and Pharmaceutical processes and products generally.

Section I.—Chemical and Pharmaceutical products derived from the Mineral kingdom.

With the exception of the articles in Class I, the mode of exhibiting which has been already detailed, almost the whole of the raw products are most conveniently exhibited and preserved in glass bottles of suitable sizes. The advantage of this arrangement consists in the facility which it affords for examination without any risk of damage to the specimens; in the impossibility of the contents of one bottle being carelessly mixed with that of another, as is too often found to be the case where raw produce is exhibited in bags or boxes; and in the preservation of the specimens from the attacks of insects and the influence of damp and moisture.

The articles included under this head although few in number, comprise many valuable articles of commerce. The principal are alum, borax, salt, saltpetre and nitrate of soda, sulphur, sal-ammoniac, soda earth, mercury and cinnabar, fullers earth, the mineral acids, &c.

Mode of exhibiting.—The articles in this section (many being deliquescent salts) are best exhibited in wide-mouthed bottles, in size from one pint upwards; care should be taken however so to accommodate the size of the bottles to that of the specimens, that it may not be necessary (owing to the smallness of the bottle,) to break up the crystals; for in many cases, that of saltpetre for instance, the size and form of the crystal is one of the best tests of the value of the article. The bottles should be moreover numbered with a writing diamond, and a corresponding number inserted in the descriptive list so that in the event of the labels becoming detached, the desired information is still available.

When however from various causes bottles of the required sort are not procurable, tin canisters of the following sizes and dimensions, or wooden boxes of the same diameter may be employed, taking care to have the bot-

	diam.	height.
Size 1.	3 in.	3½ in.
Size 2.	4 in.	4½ in.
Size 3.	6 in.	7 in.
Size 4.	8 in.	9 in.

tons of the canister made of such a size, that the cover when taken off for the purpose of exhibiting the contents, may just fit on to the bottom, and so lessen the chance of being mislaid. To obviate this still further, both the canister and cover

should be stamped (with a punch) with a corresponding number, so as to avoid the possibility of the cover of one box being substituted for that of another. When canisters or boxes are used, the cases containing them should be invariably glazed to preserve the contents from injury. This however is not necessary when bottles are employed.

Labels.—The bottles, canisters or boxes are best labelled with thin paper cemented with isinglass, a coat of the same cement should be moreover applied to the surface of the label to prevent injury from damp.

Cases.—When for transmission to a distance, the specimens should be arranged in boxes of the shape of Fig. 3, but when for a local museum the annexed form Fig. 6, with a sloping bottom, is most suitable.

Descriptive list.—Should specify the locality of production, the cost, and the uses to which each chemical might be applied in India. In transmitting any of the mineral acids the specific gravity should also be mentioned as well as the raw materials from which they have been prepared.



Fig. 5.

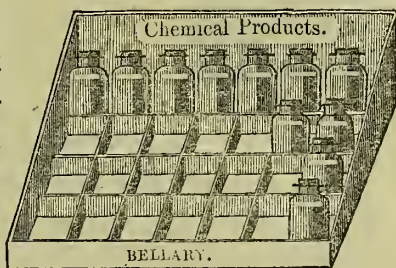


Fig. 6.

Section II.—Chemical and Pharmaceutical products derived from the Vegetable kingdom.

This section comprises an immense variety of drugs used in medicine, which are exhibited either in the shape of the dried bark, root, seeds, leaves, or as extracts, essences, volatile oils, &c.

Mode of Exhibiting.—In bottles, ranged in wooden cases as described in the preceding section.

Samples of new or comparatively unknown drugs (especially those of which the botanical names have not been ascertained) should always be accompanied by dried flowering specimens, so as to enable competent botanists to identify them. Fruits, roots, and seeds when sent as botanical specimens, are best preserved in a saturated solution of salt, the method of doing which is here given as extracted from a paper by Professor Christison.

“After numerous experiments for a series of years with various fluids, none succeeded so well to preserve both the consistence and color of fruits leaves and flowers, as a concentrated solution of common salt. The solution should be made with the aid of a boiling heat, otherwise it can with difficulty be obtained sufficiently concentrated.

Specimens after remaining a month in the solution generally require to be changed, partly because the solution becomes somewhat colored, but partly also because it is rendered too diluted in consequence of the juices of the vegetable passing out by exosmosis; the last solution should be filtered.

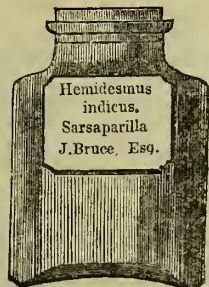


Fig. 7.

INSTRUCTIONS FOR EXHIBITING RAW PRODUCE.

Solution of salt is comparatively inapplicable, when the fruit is very pulpy, because the specimen shrivels by exosmosis of its fluids."

Labels. Of thin paper cemented and varnished as already described. The labels should be of the annexed form Fig. 8. And should show the botanical name,—the English name (if any)—the vernacular names in their native character, with a translation in English if necessary—and the name of the exhibitor. The bottles should be numbered with a writing diamond.

No. 10.

Hemidesmus indicus.
Country sarsaparilla.
நனாஞ்சி Nanari
శుంఠి Sugandhi.
J. Barrie, Chemist.

Fig. 8.

As the great object of these researches should be to substitute indigenous drugs for those now imported, the Exhibitor should always state the particular English drugs for which he considers his own contributions would form efficient substitutes.

Section III.—Chemical and Pharmaceutical products derived from the animal kingdom.

Comprising.—Fish liver oil, musk, civet, bezoar, mylabris, &c.

Mode of Exhibiting, Labels, &c.—Precisely as directed in Section 2.

Class III.—Substances used for food.

Section I.—Agricultural produce, cereals, pulses, dried fruits and oil seeds.



Fig. 9.

Comprising.—Paddy and rice, Wheat, Maize, Cholum, Tenay, Sawmy, Cadaycanny, Pil arisee, Varagu, Raggy, Cumbu, Bullur, Caramany, Dholi, Ulundu, Green gram, Mussoor, Coolthi Peas, Bengal gram, Beans, &c. &c.

Mode of Exhibiting.—Small samples, consisting of a few ears of each description of grain, should be bound up into miniature sheaves and suspended from the corks of wide mouthed bottles in the manner shown in the cut, a small quantity of the loose grain should also be placed at the bottom of the bottle and the whole carefully corked and covered with sealing wax, a few grains of camphor in each bottle will preserve the contents from the attacks of insects.

Labels and Cases.—Similar to those shown at Fig. 5 and 6.

Descriptive lists.—Should mention the month in which the grains are usually sown, and the period at which they arrive at maturity. The time the grain can be preserved uninjured, as well as the amount of consumption and export should also be stated.

Section II. Substances used in the preparation of drinks.

Comprising.—Coffee and tea and the various substitutes for them.

Mode of exhibiting, Labels and Cases. As in Section 2, Class II.

Descriptive Lists.—Should state the mode of cultivation, the average annual fall of rain, description of soil, and site of plantations, price, &c. &c.

Section III. Intoxicating drugs and fermented Liquors.

Comprising.—Tobacco, cigars and Snuff, Ganja, Wines and Spirits, Vinegar, &c.

Mode of Exhibiting.—Tobacco should be shewn in bales or bundles, or made up into cheroots or snuff—Wines, Spirits and Vinegar, in bottles as usually seen.

Descriptive list.—Should mention the quality of the soil in which the tobacco was grown, the method of gathering and preparing it, &c., the processes and materials used in manufacturing wines and spirits, the strength of the vinegar, &c. &c.

Section IV.—Spices and Condiments.

Comprising.—Nutmegs and mace, cinnamon and cassia barks, cloves, cardamoms, coriander, chillies, black pepper, betel nut and paun leaf, ginger, turmeric, fenugreek, cummin, anise seed, mustard seed, tamarinds, garlic and onions, pickles and jams or preserved fruits.

Mode of Exhibiting.—In bottles or canisters as most convenient.

Labels.—As shown in Fig. 5.

Descriptive lists.—Should contain the cost, mode of cultivation, seasons of planting and gathering; and in the case of pickles or preserves, the processes used in pickling or preserving should be clearly given.

Section V.—Starches.

Comprising.—East and West Indian arrowroots, sago, palmyra-root, starch, plantain meal, salep, yams in their fresh and prepared states, and potatoes.

Mode of Exhibiting.—The prepared starches are best exhibited in canisters as shown at Fig. 10 but the fresh yams and roots should be placed in boxes of suitable size filled with dry sand. From the

INSTRUCTIONS FOR EXHIBITING RAW PRODUCE.

liability of these roots to throw out buds and shoots, they cannot be long preserved in an exhibition or museum.

Labels and cases.—As shown in Figs. 8 and 10.

Descriptive lists.—Should particularize the time of planting and gathering the roots, the process employed in manufacturing the fecule, its advantages as an article of food. &c.

Section VI.—Sugars.

Comprising.—Cane, palmyra, date, cocoanut and bynæ (*caryota urens*) sugars.

Mode of Exhibiting.—The same as described for spices in section IV.

Section VII.—Dried Fruits.

Comprising.—Cashew-nuts, pistachios, figs, &c.

Mode of Exhibiting.—The same as described for spices in section IV.

Section VIII.—Substances from the Animal Kingdom.

Comprising.—Honey, isinglass, salt fish, fish roes, salted and preserved meats.

Mode of Exhibiting.—Honey is best shown in wide-mouthed jars with close fitting tops, or in bottles arranged in the usual form of cases described above,—Isinglass and fish roes in canisters, and salted and preserved meats in the jars, tins or barrels generally used to contain them.

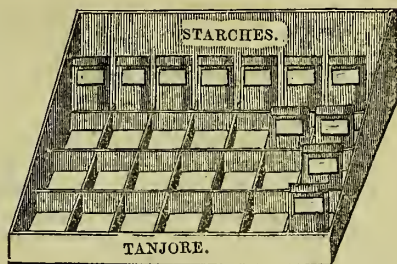


Fig. 10.

Class IV.—Vegetable and Animal substances chiefly used in Manufactures.

Section I.—Gums, Resins, Gum-resins, Gutta-perchas and Elastics.

Comprising.—Lac, Piney or white dammer, Kino, Canarium resin or black dammer, Shorea or Vatica dammer, Guggool—Pachootie, Cuttimundu, India rubber, Moringa—Acacia, Wood apple, Neem, Cashew and Mango gums, &c. &c.

Mode of Exhibiting.—In cases of the form of figs. 3 or 4 as most convenient. The specimens should be of the ordinary marketable size, and sufficient in quantity to enable the jury to test their value.

When the botanical name of the tree producing the article is unknown, an authentic specimen of the tree either in a dry state or preserved in a solution of salt as recommended under Section 2 of Class II, should accompany it.

Labels.—Should be made out in form fig. 8 and should be attached to the wall of the partition as directed for minerals (Class I.)

Descriptive lists.—Should mention the locality in which produced, the season at which the dammer is gathered, the average quantity yielded by each tree, and the quantity procurable in the neighbourhood. The method of collecting the resin, whether by tapping or wounding the tree, or by gathering that which has spontaneously exuded, the value and the uses to which it is applied.

Section II.—Oils and oil seeds.

Comprising.—The vegetable, mineral and animal fixed oils; the volatile and empyreumatic oils.

Mode of Exhibiting and Labels.—In clear glass bottles arranged in cases, labeled and numbered as directed in Class II. Section 2, fig. 7 and 8.

The seed itself is frequently a better criterion of the value of these substances than the expressed oil, oil-seeds should therefore always accompany them, and may be shown in the same manner as the oils; the bottles of seed and oil may be conveniently placed side by side in the same case.

Descriptive lists.—Should specify the style of cultivation, period of sowing and reaping, mode adopted for expressing the oil, the quantity procurable, the price, and the uses of the oil and oil cake.

Section III.—Dyes and colors.

Comprising.—Indigo, sappan wood, red saunders wood, turmeric, safflower, morinda bark, chayroot kapala dye, lac dye, arnotto, &c. &c.

Mode of Exhibiting.—In canisters as directed for starches, specimens of cotton, wool, or silk dyed with each color may appropriately accompany them.

Descriptive lists.—Should specify the habitat, value, and quantity procurable, but more especially mentioning the peculiar process used in dyeing with each substance, the mordants used, &c. &c.

Section IV.—Tanning substances.

Comprising.—Divi divi, Turwar, Babool, Catechu, Myrobalans, Gallnuts, &c.

Mode of Exhibiting.—Precisely as recommended for the dyes in the preceding section.

Descriptive lists.—Should specify the quantity procurable the average amount of tanning in each substance, the peculiar quality of the leather it produces. Samples of the leather prepared with each description of tanning material should accompany the case. A good specimen of a report on tanning materials will be found under the head of Guntoor in the Official Catalogue for 1855.

INSTRUCTIONS FOR EXHIBITING RAW PRODUCE.

Section V.—Fibrous substances.

Comprising.—Cocoanut, date, palmyra, aloe, marool, screw pine and plantain fibres, Yerkum, palayootrum, hemp, flax, sunn, ambaree, roselle, bendee, thooti, jute, yucca, pineapple and Neilgherry nettle fibres—Ficus, acacia, azadirachta, sterculia, urena, lepurandra, bauhinia, and other basts—Bourbon, oopum, ladum, and nankeen cotton, —bombax and yercum pappi.

Mode of Exhibiting.—The best method of exhibiting fibres is to take a bundle of the ordinary length, plait one end for a few inches and suspend it to a frame as shown in the wood cut. The frame should be nailed against the wall at a sufficient height to enable the labels to be easily read. This method will be found to present great facilities for the examination of fibres without the risk of their sustaining damage or of the labels being destroyed. If thought advisable, specimens of the manufactures from each fibre should accompany them.

Labels.—As shown in Fig. 10.

Descriptive lists.—Should mention the price, quantity procurable, method of separating the fibre from the raw material, &c.

Section VI.—Cellular substances.

This section is only represented by the pith-like substance generally called Shola. It may be shown in bundles, and calls for no particular remarks.

Section VII.—Timbers and ornamental woods.

Comprising.—A great variety of forest trees the names of which will be seen on reference to the foregoing catalogue.

Mode of Exhibiting.—Two good specimens cut from the heart wood of average sized trees, two feet six inches long, by $1\frac{1}{4}$ inch square (to allow for shrinking) should be planed to a smooth surface. One of these specimens should be arranged in a simple rack similar to that shown in the wood-cut, and the other being branded with a corresponding number and packed up in a separate box, will be available for experiment by the Jury. The experiments on these pieces of wood will have reference to their breaking weights, amount of deflection, elasticity and specific gravity. Before testing, the specimens should all be reduced to one inch square. The simple apparatus required is well known, and consists merely of two firm uprights fixed at a certain distance apart with a scale and weights. For the above specimens the distance between the uprights should be exactly 2 feet and the loop of the scale should be sufficiently rounded on the inner side to ensure the bearing being only in the centre, the weights should be added by degrees and the amount of deflection noted from time to time. After breaking the specimens (all of which are supposed to be exactly one inch square) the specific gravity is easily found by cutting off a portion, say exactly six inches, and carefully weighing it. The result divided by the number of inches will of course give the weight of one cubic inch.

Specimens thus prepared although useful for testing purposes will however convey but little idea of the general appearance and size of the tree, for this purpose the following specimens should also be sent. (1) A horizontal section of the tree about 3 inches thick, with the bark complete. (As the bark is very liable to peel off from these specimens, it will be found a good plan to bind it round with a strip of rattan secured by a few nails.) (2) A slab or plank about 3 feet long and 3 inches thick, cut vertically from the centre of the trunk; the pith, bark, sapwood, &c., being retained. (3) A turned cylinder of all hard and ornamental woods suited for turning purposes.

It will therefore be seen that four specimens of each kind of tree are required, the first will enable experiments to be made to determine its strength, &c., the second and third will show the general appearance of the wood, its suitability for cabinet work or other purposes; and the fourth its value for the turner's purpose. Specimens in the above forms are only required of new, little known, or valuable species. For further information on this subject the reader is referred to the Jury Reports of 1855.

Section VIII.—Animal substances and specimens of Natural History.

Mode of Exhibiting.—With the exception of the wools and silks which may be shown in cases, the arrangement of the other objects of this class (being mostly specimens of Natural History) is best left to the taste and discretion of the Officer in charge of the Exhibition or Museum.

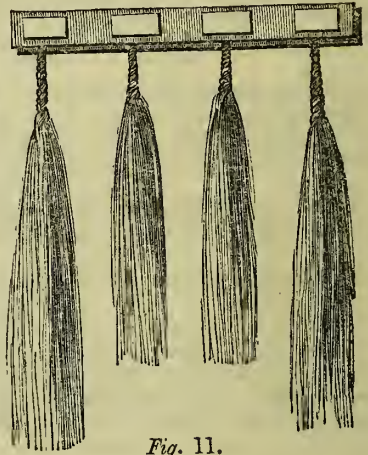


Fig. 11.

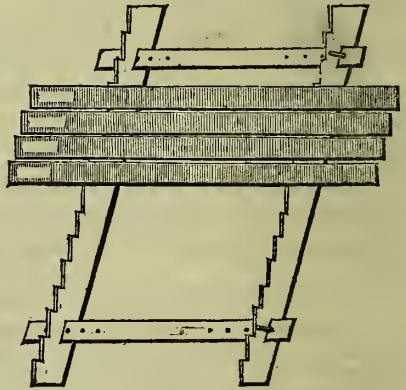


Fig. 12.

OFFICIAL

AND

DESCRIPTIVE CATALOGUE

OF THE

MADRAS EXHIBITION

OF

1857.

ARCOT NORTHERN DIVISION.
ARCOT SOUTHERN DIVISION.
BANGALORE.
BELLARY.
CALCUTTA.
CEYLON.
CHINGLEPUT.
COCHIN.
COIMBATORE.
CUDDAPAH.
GANJAM.
GUNTOOR.
HYDERABAD.
KURNOOL.
MADRAS.
MADURA.
MALABAR.
MANGALORE.

MASULIPATAM.
MIDNAPORE.
NELLORE.
OOTACAMUND.
PALGHAUT.
PEGU.
PONDICHERRY.
POODOOCOTTAH.
RAJAHMUNDRY.
SALEM.
TANJORE.
TINNEVELLY.
TRANQUEBAR.
TRAVANCORE.
TRICHINOPOLY.
VELLORE.
VIZAGAPATAM.
VIZIANAGARUM.

The Right Honorable the Governor of Madras in Council, in Extract Minutes of Consultation, dated 15th August 1855, appointed an Exhibition of the Raw Materials, of the Machinery and Manufactures, and of the Sculptures, Models and the Plastic Art, of the Madras Presidency and the neighboring States, to be held in the Banqueting Hall, Madras, 2nd February 1857 ; and, in order to make generally known the wishes of Government regarding it, and to draw up a scheme of all the minor and subsidiary arrangements for carrying it out, nominated the following gentlemen to form a Committee.

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CAPT. W. S. JACOB.

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LIEUT. COL. G. BALFOUR, C. B.

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THE HONORABLE SIR H. C. MONTAGUE, Esq.

LIEUT. COL. G. BALFOUR, C. B.

NAMES OF EXHIBITORS.

A.

Abdool Cawder, Chingleput.
 Adalakum Chetty, Salem.
 Adonie, Tashildar, Bellary.
 Addis, W. J. Esq., Madras.
 Aga Ismael Saib, Masulipatam.
 Agi Mundee Saib, Masulipatam.
 Agnew, Eliza Miss, Ceylon.
 Ahobala Row, Tashildar, Bellary.
 Alagheyanumbee, Tinnevelly.
 Allaypah Naick, Madras.
 Ambrose, Mr. George, 1st Class Foreman,
 Bangalore.
 Anantha Chetty, Gold Smith, Malabar.
 Anantapoor, Tashildar, Bellary.
 Anem Ayennah, Weaver, Ganjam.
 Anthony, P. Mr., Madras.
 Anuntha Charry, Chingleput.
 Anunthiyer Putter, Tahsildar of Cawaye, Ma-
 labar.
 Appasawmy Moodelly, Chingleput.
 Appavoo, Chingleput.
 Appavoo, F. Botanical Assistant Medical Col-
 lege, Madras.
 Armooga Konar, Palghaut.
 Arnachellum Acharry, Salem.
 Arnachellum, Tinnevelly.
 Aroomooga Moodelly, Chingleput.
 Aroonachella Chetty, Chingleput.
 Aroonachellum Chetty, Madura.
 Aroonagery Achary, Chingleput.
 Arsenal Fort Saint George, Madras.
 Arthanary Moodelly, Salem.
 Asepa Tatiah, Ganjam.
 Ashton, Richardson & Co., Messrs. Madras.
 Avery, E. Mr Inspector Electric Telegraph,
 Madras.

B.

Balasawmy Chetty, Salem.
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 Balmain, J. E. Major, Madras.
 Banagana Pillay, Nawab, Kurnool.
 Banoo Chetty, South Arcot,

Barnes, Apothecary, Bangalore.
 Bassano, Mr. Tahsildar Wynaad, Malabar.
 Basapha, C. Bellary.
 Basavanah, P., Masulipatam.
 Basawa, Potter in Adonie, Bellary.
 Bates, W. Mr., Malabar.
 Bava Saib, Chingleput.
 Baullo Moodelliar, C. Madras.
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 Moulmein, Madras.
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 Binny and Co., Messrs., Madras.
 Binny and Co., Travancore.
 Blackwell, J. H. Esq., Vizagapatam.
 Boalth, W. Mr., Madras.
 Brandis, Dr. Supt. of Forests in Pegu.
 Brass, Mr. T., Chingleput.
 Brown, Mrs., Cloud John Reid, Madras.
 Browne, C. H. Esq., Calcutta.
 Bundy Doss, Masulipatam.
 Bunky Baupunnah, Rajahmundry.
 Burgass, R. Esq., Madras.
 Burmajee Row, Bangalore.
 Bylimsaheb, Rajahmundry.

C.

Cadavale Paroya, Masulipatam.
 Cadell, W. M. Esq., Tanjore.
 Calytheetha Moodely, Salem.
 Callingal Choy Cootty Moopen, Malabar.
 Campbell, T. H., Bangalore.
 Cannan, Mr., Bangalore.
 Candoo, Nair, Tahsildar of Coormenadd, Ma-
 labar.
 Casavah Moodelliar C., Madras.
 Caulapha, Bellary.
 Cauder Saib, Chingleput.
 Causaker, Mr., Salem.
 Causy Rowt, Salem.
 Cava Bapoo, Malabar.
 Chalapoorata Eresha Menon, Tahsildar of
 Nedinganaad, Malabar.
 Chalk, W. Sergeant, Madras.
 Chamber of Commerce, Madras.

NAMES OF EXHIBITORS.

Moonesah, Chingleput.
 Moondroomoogamcondan, Tinnevely.
 Mooneyapah, Bellary.
 Moonesawmy Chetty, Chingleput.
 Mooragasem Moodelly, Madras.
 Moore, R. A. Lieut., Masulipatam.
 Mootosawmy Moodely, South Arcot.
 Mootosawmy Naick, Chingleput.
 Moothun, Chingleput.
 Mootosawmy, Weaver, Tinnevely.
 Moottumbalavanum, Tinnevely.
 Mootosawmy Pillay, Travancore.
 Mosunkan Jemadar, Kurnool.
 Muddin Hunnooma of Bhunnoo Raichore
 Doab, Hyderabad.
 Mullappa, Bellary.
 Mukjee Nunjapha, Bangalore.
 Mukjee Tookaram, Bangalore.
 Murry, M. Esq., Cuddapah.

N.

Nagabhooshanum, K., Masulipatam.
 Naganah Bommadavara Rajah, Masulipatam.
 Nagandra Chetty, C., Salem.
 Nagojee, Bellary.
 Nagojee, Bangalore.
 Namussevoy Mogunt, Rajahmundry.
 Nanooviah, Weaver, Palghaut.
 Narain Chetty, Chingleput.
 Narainasawmy Chetty, G., Chingleput.
 Narrainsawmy, C., Rajahmundry.
 Narasinga Row, Madura.
 Narasimloo Chetty, V. Madras.
 Narasiah Chetty Raja, Salem.
 Narasimma Naick, Chingleput.
 Narasimma, Chingleput.
 Narayana Naick, Chingleput.
 Narayen Dajee, Graduate of the Medical Col-
 lege, Madras.
 Narrappa, G., Bellary.
 Narsingum Midda, Masulipatam.
 Nash, J. P. Esq., M. D. Madras.
 Nathunna Chetty, Salem.
 Native Female Central School, Madras.
 Nawab Oomdeetoolmoolk, Bahadoor, Hyde-
 rabad.
 Neer, Dowlaishiveram, Madras.
 Newlyn, D. A. C. Capt. Genl., Madras.
 Nickle, R. W. D. Capt., Madras.
 Nullamoden, Tinnevely.
 Nullaseven Pillay, Tinnevely.
 Nullatha Moodelly, Chingleput.
 Nummiah Naidoo, S. Masulipatam.
 Nursereddy Sutti, Rajahmundry.
 Nursigandoo and P. Cotadoo, Masulipatam.

Nursimah Iyengar, Head Sheristadar, Ban-
 galore.
 Nynatha Moodelly, Chingleput.

O.

Oakes and Co., Messrs., Madras.
 Oosman Khan, Chingleput.
 Ootoocathan, Chingleput.
 Orr, P. Messrs. and Co., Madras.
 Oswald, W. R. Assist. Surgeon M. D., Madras.

P.

Palavasum, Tinnevely.
 Palmer, Capt., Hyderabad.
 Parayiah Goroo, Rajahmundry.
 Parker, D. Esq., Palghaut.
 Parker, R. D. Esq., Collector, Madura.
 Parthasarady Naidoo, P., Masulipatam.
 Patchayappa Moodely, Chingleput.
 Paupanah Thalethala, Masulipatam.
 Paupiah, Head Shroff, Lingamulloo, Guntoor.
 Pavanum Paly, Malabar.
 Peer Saib, Tanjore.
 Pelly, C. R. Esq., Rajahmundry.
 Pelly, C. R. Esq., Rajahmundry, Madras.
 Penoocondah, Tahsildar, Bellary.
 Penpy Reddy, Chingleput.
 Pereira, Miss, Chittore, Madras.
 Peter Orr, Mr., Madras.
 Pitcheka Moosalee, Masulipatam.
 Pichen, Tinnevely.
 Plebst, G. Mr., Madras.
 Polesetty Pitcheka, Rajahmundry.
 Poonnajeerow, Bangalore.
 Ponnun, Chingleput.
 Porteous, H. W. Esq., Madras.
 Power, Rowden Esq., Ceylon.
 Powys, R. H. Esq., Madras.
 Pradhomime, A. Esq., Tanjore.
 Proboo, P. Mr., Mangalore.
 Proudfoot George, Mr., Madras.
 Puckle, Lieut., Bangalore.
 Punchapalem, Tahsildar, Bellary.
 Purvatauloo Bullah, Rajahmundry.
 Purvis, A. Esq., Rajahmundry.
 Puttanah Moochy, C., Masulipatam.

Q.

Quicklee, M. Miss, Madras.
 Quicklee, J. Mr., Madras.

R.

Ragava Naick, Chingleput.
 Ragava Charry, Chingleput.

Ragavaloo Chetty, South Arcot.
 Ragaviengar, Chingleput.
 Rajunnen, Chingleput.
 Ram Row, Goomastah, Bellary.
 Ramachundra Tondinean Bahaudoor Rajah
 Poodoo Cottah,
 Ramah Vurmah, 3rd Prince of Travancore.
 Ramanatha Moodelly, Chingleput.
 Ramanuja Iyengar, Chingleput.
 Ramakistna Iyer, Chingleput.
 Ramannah, E. Rajahmundry.
 Ramasawmy, Chingleput.
 Ramasawmy Goodoor, Kurnool.
 Ramasawmy Sowcar, Kurnool.
 Ramasawmy, Gauroo, Masulipatam.
 Ramasawmy, Salem.
 Ramasawmy Chetty, Dubash to Messrs Walker
 and Co., Madras.
 Ramen, Tinnevelly.
 Ramerreddy Sutti, Rajahmundry.
 Ramiah, G. Gauroo, Masulipatam.
 Ramoo Pillay, Tanjore.
 Ramoony Marar, Malabar.
 Ramoony Panikar, Malabar.
 Ramun, Chingleput.
 Ratton, J. Assistant Surgeon, Chingleput.
 Rawdon Power, E. Esq., Ceylon.
 Rawlinson, C. S. the Honor., Madras.
 Rayappa Pillay Nazareth, Madras.
 Reid, Mr., Overseer, Coimbatore.
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 Revenue Board, Madras.
 Reynolds, W. Foreman, Madras.
 Riddell, R. Esq., Madras.
 Riddell, Dr., Hyderabad.
 Riddell, Dr. Poona, Madras.
 Roberts, Lieut., A. R., Madras.
 Robinson, B. Foreman, Madras.
 Rohde, J. Esq., M. D. S. Madras.
 Rohde, J. Esq., Madras.
 Ross, B. Mr., Madras.
 Ross, D. Esq., Ootacamund.
 Roupell, J. B. Esq., Civil and Session Judge of
 Coimbatore.
 Rozario, Mr., Tahsildar of Cherical, Malabar.
 Rungasawmy Moodelly, Chingleput.
 Rungappa Chetty, Chingleput.
 Runga Charloo, C., Chingleput.
 Rungiah Naidoo Paulavany, Madras.
 Russell, J. G. Captain, Kurnool.

S.

Sabapathy, Chingleput.
 Sabaputty Moodely, Salem.
 Sackeree Curdappa, Bellary.

Salar Saib, Chingleput.
 Saka Row, Bangalore.
 Samoovien, Tinnevelly.
 Sashachellum, Chingleput.
 Sashdry Iyengar, Chingleput,
 Sashegherry Row, P., Salem.
 Sashiah Gauroo, A. Masulipatam.
 Sashoy Chetty, C., Salem.
 Savoogun Chetty, Madras.
 Sawmy Chetty, T., Madras.
 Sawmy, Tinnevelly.
 Sawmynadah Moodely, C., Travancore.
 Scriven, G. & Co., Messrs., Madras.
 Sedashia, Vizagapatam.
 Sergeant, London Mission, Mrs. Bangalore.
 Sevarama Iyer, Palghaut.
 Sevasoobramoneyen, Tinnevelly.
 Sewell, Mrs., Bangalore.
 Shaw, Messrs. & Co., Madras.
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 Skinner, T. W., Sub Conductor, Madras.
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 Simpson, Lieut., Bangalore.
 Simpson & Co. Messrs., Madras.
 Smith, H. H. Mr., Supt. Madras Railway Com-
 pany, Palghaut.
 Smith, Dr., Hyderabad,
 Sneliksz, Mr., Malabar.
 Snow, P. T. Major, Madras.
 Sodalamootoo Pillay, Tinnevelly.
 Somoosoonthrum Chettiar, P. Madras.
 Sooba Row, Bangalore.
 Soobba Chetty, Catha, Salem.
 Sooben, Tinnevelly.
 Soobiah V., Silver Smith, Masulipatam.
 Soobbier, Chingleput.
 Scobbareddy, Cavoory, Rajahmundry.
 Soobaroya, Chetty, P. Salem.
 Soobbroya Chetty, Andee, Salem.
 Soobaroyer Meeras, Tinnevelly.
 Soobroya Gounden, Chingleput.
 Soobromoneya Pillay, Tinnevelly.
 Soobroyaloo Chettiar Gopoo, Tanjore.
 Soobbunnah Condah, Rajahmundry.
 Soobramanea Achary, Chingleput.
 Soodalamootoo, Tinnevelly.
 Soondara Moodely, Salem.
 Soondarier, Chingleput.
 Stevenson, George, Sub Conductor, Madras.
 Streenevasa Iyengar V., Chingleput.
 Streenevasa Vardachary, Chingleput.
 Streenevasa Chetty, Salem.
 Streenevasooloo C. Naidoo, Madras.
 Streenevasasem Chetty, Manager, Madras.
 Sunkarasoobien, Tinnevelly.
 Sunkaralingum, Tinnevelly.

Sutteanatha Butten, Chingleput.
 Syed Hoosain, Masulipatam.
 Syed Hoossain, Bellary.

T.

Tachava Kaval Tiroomelpoo, Malabar.
 Tancial Unkum, Rajahmundry.
 Tandroyen, Chingleput.
 Tandavamoorthy Moodelly, Chingleput.
 Tantical Janal, Rajahmundry.
 Tahsildar, Bellary.
 Tawse, John Esq., Madras.
 Tayen Papiah, Ganjam.
 Taylor, Captain M., Hyderabad.
 Taylor, Thomas Quarter Master Sergeant, Body Guard.
 Teroomala Gounden and Palany Gounden, Salem.
 Teroovangada Moodelly, Chingleput.
 Teroovengada Odian, Salem.
 Teroovangadam, Tinnevely.
 Thavasia Pillay, Tanjore.
 Thayoomana Pillay, Trichinopoly.
 Thomas, E. B. Esq., Collector, Coimbatore.
 Thunnajee Row, Bangalore.
 Thurmalingapathen, Tinnevely.
 Thurmapermal Pillay, Tinnevely.
 Tolputt, H. Esq., Madras.
 Tondavaroya Moodelly, Chingleput.
 Tondroy Naik, Salem.

U.

Underwood, W. E. Esq., Madras.

V.

Vagoo Survasa, Masulipatam.
 Valayootha Moodelly, Chingleput.
 Valum Chetty, Tinnevely.
 Vasarowtoo, Vencatacroostnodoo, Puncen Chena
 Ramasawmy, Guntoor.
 Vasudavoo, T., Madras.
 Vathachella Moodelly, Chingleput.
 Veedpodagum, Madura.
 Veerabhadroodoo, C., Rajahmundry.
 Veerabudra Chetty, Salem.
 Veerasalingum Moochy, D., Masulipatam.
 Veerasawmy Moodelly, Chingleput.
 Veerasawmy Reddy, Chingleput.
 Veerasawmy, Chingleput.
 Veerasawmy Iyengar, Chingleput.
 Veerasawmy, Havildar F Company 12th N. I.,
 Madras.
 Veerasawmy Naick, Trichinopoly.
 Veerasawmy Moodelly, Palghaut.

Vellore Arsenal Workmen, Vellore.
 Vencata Reddy, Chingleput.
 Vencata Narsinga Row, D. Masulipatam.
 Vencata Reddy, M., Masulipatam.
 Vencata Reddy, Masulipatam.
 Vencata Row, V. Puntooloo, Masulipatam.
 Vencata Narsingrow, Tahsildar Teroor Talook,
 Masulipatam, Madras.
 Vencatachella Pillay, Chingleput.
 Vencatachella Moodelly, Chingleput.
 Vencatachella Naick, Chingleput.
 Vencatachellapatty Andee, Salem.
 Vencatachellum, Bellary.
 Vencatanurasinga Row V., Masulipatam.
 Vencatarama Pundit, Chingleput.
 Vencatarama Chetty, Chingleput.
 Vencatrama Chetty, P., Salem.
 Venkatarow, Hyderabad Dewan, Kurnool.
 Venkojee Row, Bangalore.
 Venkossee Zeengur, Kurnool.
 Venkoovier, Chingleput.
 Vengal Reddy, B., Cuddapah.
 Vizianagram Rajah, Vizianagram.
 Voodappah Naick, Madura.
 Vurdappa Chetty, Chingleput.
 Vureamoorthy Chettiar and Sooboo Chettiar,
 Madras.
 Vuttathamarah Pisin, Travancore.

W.

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 Walter Elliot, The Honorable Esq., Madras.
 Waring, E. G. Asst. Surgeon, Travancore.
 Waters, W. Mr., Madras.
 Western, James, V. S. H. A., Bangalore.
 William Hilbers, Dr., Bangalore.
 William Haydon, Madras.
 Williams, G. Mr., Madras.
 Williams, G. Assistant Surgeon St. M. D.,
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 Wilkieson, Lieut, Bangalore.
 Wijoonan, Chingleput.
 Whistler, J. Lieut. Col., Madras.
 Wright, W. B. Esq., Madras.
 Wrightman, G. Apothecary, Bangalore and
 Madras.

X.

Xavier, Mr., Bangalore.

Y.

Yacambarum, C. Iyer., Madras.
 Yanadies, Chingleput.
 Young, H. Esq., Nellore.

PONDICHERRY.

NAMES OF EXHIBITORS.

- M. M. Angede Babick, Regt. Exhibitor.
- „ Balakishna Parassurama and Co. Exhibitors.
- „ Bulliards Exhibitors
- „ Carriol Exhibitors.
- „ Collas Exhibitors.
- „ Local Committee Exhibitors.
- „ Doterme, Exhibitor.
- „ Emy Exhibitor.
- „ Pilatrian Exhibitor.
- „ Geruzete Exhibitor.
- „ Godefroy Exhibitor.
- „ Louis Guerre Exhibitor.
- „ Magry Exhibitor.
- „ T. Le. Sittier.
- „ Perrottet Exhibitor.
- „ Parassourama Chettiar, Exhibitor.
- „ Poulli Appavoo Moodeliar, Exhibitor.
- „ De Querrete Exhibitor.
- „ Rungasawmy Moodely, Exhibitor.
- „ Sooberoya Poulli, Exhibitor.
- „ C. Sūppauroyapouille, Exhibitor.
- „ Cardivel Exhibitor.

CONSECUTIVE Nos AS ASSIGNED TO ARTICLES FROM EACH DISTRICT.

Pro. Nos.	Pro. Nos.	Names of Places.	Pro. Nos.	Pro. Nos.	Names of Places.
From	To		From	To	
1	100	Kurnool.	6864	6957	Cochin.
101	169	Tinnevelley.	6958	6966	Tranqubar.
170	190	Trichinopoly.	6967	7157	Mangalore.
191	486	Paulghaut.	7158	7328	Pondicherry.
487	814	Chingleput.	7329	8000	Madras.
815	1121	Vizianagrum.	8001	8003	Hyderabad.
1122	1132	North Arcot.	8004	8055	Chingleput.
1133	1334	Madura.	8056	8263	Kurnool.
1335	1957	Bellary.	8264	8300	Ootacamund.
1958	2004	Bangalore, or Mysore.	8301	8306	South Arcot.
2005	2073	Bellary.	8307	8320	Rajahmundry.
2074	2319	Nellore.	8321	8388	Hyderabad.
2320	2329	Ceylon.	8389	8404	Nellore.
2330	2334	Paulghaut.	8405	8414	Mirzapore or Calcutta.
2335	2370	Guntoor.	8415	8433	Rajahmundry.
2371	2528	Salem.	8434	8435	Chingleput.
2529	2641	Cuddapah.	8436	8700	Madras.
2642	2928	Malabar.	8701	8709	Chingleput.
2929	3127	Coimbatore.	8710	8800	Madras.
3128	3674	Travancore.	8801	8843	Vizagapatam.
3675	3800	Bellary.	8844	8853	Masulipatam.
3801	3803	Travancore.	8854	8866	Vellore.
3804	3923	Rajahmundry.	8867	8900	Madras.
3924	4188	Masulipatam.	8901	9027	Pegue.
4189	4278	Bangalore.	9028	"	Chingleput.
4279	"	Travancore.	9029	9100	Madras.
4280	4732	Tanjore.	9101	9177	South Arcot.
4733	4747	North Arcot.	9178	9239	Poodoocottah.
4748	5076	Madras.	9240	9272	Cuddapah.
5077	5193 $\frac{1}{2}$	Tanjore.	9273	9286	Pondicherry.
5194	5260	Vellore.	9287	9300	Bangalore.
5261	5291	North Arcot.	9301	9310	Madras.
5292	5307	Ceylon.	9311	9313	Bangalore.
5308	5359	Chingleput.	9314	9324	Hyderabad.
5360	6000	Madras.	9325	9326	Calcutta.
6001	6736	Hyderabad.	9327	}	Hyderabad Assigned District Rachore Doab.
6737	6820	Bangalore.			
6821	6846	Trichinopoly.			
6847	6863	Salem.			

ARCOT—NORTHERN DIVISION.

Local Committee Exhibitors.

1122	Silver lace cloth called Munthanpee	...	Rs. 15-0.
1123	Silver laced called Monthaper Mundib	...	Rs. 4-8.
1124	Silver laced cloth called Karchober Mundib	...	Rs. 2-2.
1125	Silver laced broad tape called Karchoopee Surponch	...	Rs. 4-6.
1126	Silver laced tape called Kinnaree Rooppoich	...	Rs. 2-12.
1127	Silver laced tape called Kinnaree Thoovoree Moode-choor...	...	Rs. 2-4.
1128	Silver laced Cloth called Thoortovun Pulla Kar-chobee Bootta	...	Rs. 9.
1129	Silver laced Cloth called Pulloo	...	Rs. 8.
1130	Silver laced Cloth called Pulloo 3rd sort	...	Rs. 1 5.
1131	Silver laced narrow tapes called Nakee each priced at 8 As.	...	...
1132	Stones for grinding sandal	...	As. 2.

Kristniah, Exhibitor.

1138	Carpot	...	Rs. 10-8.
POTTERIES.			
4731	Flower pot pipe clay	...	As. 12.
4734	do do	...	As. 12.
4735	do do	...	As. 12.
4736	Butter Pot do	...	As. 4.
4737	do do	...	As. 4.
4738	do do	...	As. 4.
4739	do do	...	As. 4.
4740	do Goglets	...	As. 2.
4741	do do	...	As. 2.
4742	do do	...	As. 2.
4743	do do	...	As. 2.
4744	do do	...	As. 2.
4745	do do	...	As. 2.
4746	Sawny stones.	...	...

SOUTH ARCOT.

Chengelroya Chetty, Exhibitor.

- 9101 Check measuring 12 by $1\frac{1}{2}$ Rs. 2-4.
 9102 Do. do. Rs. 2-4.
 9103 Do. do. Rs. 2-4.
 9104 Do. do. Rs. 2-4.
 9105 Do. do. Rs. 3.
 9106 Gown cloth measuring 12 by $1\frac{3}{4}$ Rs. 2-8.
 9107 Do. do. Rs. 2-8.
 9108 Do. do. Rs. 2-8.
 9109 Do. do. Rs. 2-8.
 9110 Do. do. Rs. 2-8.
 9111 Do. do. Rs. 2-8.
 9112 Do. do. Rs. 28.
 9113 Long drawers cloth Measuring 14 by 2 Rs. 2-10.
 9114 Do. do. Rs. 2-10.
 9115 Do. do. Rs. 2-10.
 9116 Do. do. Rs. 2-10.
 9117 Do. do. Rs. 2-10.
 9118 Cambagonus do 10 by $1\frac{1}{2}$ Rs. 4.
 9119 Do. do. Rs. 3-8.
 9120 Do. measuring $4\frac{1}{2}$ by $2\frac{1}{2}$ Rs. 2-8.
 9121 Damask Napkins Rs. 3.
 9122 Napkins Rs. 2-8.
 9123 Towels Rs. 4-8.
 9124 Bathing do. Rs. 5.

Mr. P. Gibson, Exhibitor.

- 9125 Collar As. 12.
 9126 Do. As. 12.
 9127 Do. As. 12.
 9128 Do. As. 8.
 9129 Do. As. 8.
 9130 Do. As. 8.
 9131 Do. As. 8.
 9132 Dorler As. 8.
 9133 Do. As. 4.
 9134 Do. As. 4.
 9135 Do. As. 4.
 9136 Do. As. 4.
 9137 Do. As. 2.
 9138 Toilet glass corne Rs. 1-8.

Mr. P. Martin, Exhibitor.

- 9139 Handkerchieves Rs. 1-14.
 9140 Purple Check Rs. 6.
 9141 Black Plaid Rs. 6-2.

Mr F. M. D'monte, Exhibitor.

- 9142 Illustrated drawing of the Temple of Serangum Rs. 10.

Local Committee, Exhibitors.

- 9143 Rugs Made of cocoanut fibre Rs. 1-10
 9144 Fans made of Palmyrah leaf and painted Rs. 2-8.
 9145 Bangles made of Lac and Mineral Sand Rs. 2.
 9146 Dyed Sheep Skins Rs. 9.
 9147 Strow work Baskets As. 12.

Ragavaloo Chetty, Exhibitor.

- 9148 Damask Table cloth measuring 12 feet square Rs. 14-8.
 9149 Do. do. measuring 12 feet long and 7 bread Rs. 8.
 9150 Do. do. measuring 8 feet long and $6\frac{1}{2}$ broad Rs. 11-8.
 9151 Do. do. measuring $7\frac{1}{2}$ feet square Rs. 12.
 9152 Table cloth measuring 18 feet long and 7 broad Rs. 19-4.
 9153 Napkins Rs. 4-4.
 9154 Do. Rs. 4-8.
 9155 Do. Rs. 38.
 9156 Check Rs. 3.
 9157 Do. Rs. 2-8.
 9158 Do. Rs. 2-8.
 9159 Printed Palampore measuring 2-8.
 9160 Cubits long and 5 broad Rs. 6-12.

Banoo Chetty, Exhibitor.

- 9161 Printed Palampore measuring 9 x cubits $6\frac{1}{2}$ Rs. 13.
 9162 Do. do. measuring 7 x 5 Rs. 8.
 9163 Damask Table cloth measuring 8 Feet square Rs. 11-8.
 9164 Do. do. 9 Feet square Rs. 15-8.
 9165 Do. measuring 8 Feet x 7 Rs. 10-8.
 9165 $\frac{1}{2}$ Damask Table cloth measuring $6\frac{1}{2}$ Feet square Rs. 8.

BANGALORE.

2nd Apothecary G. Wrightman, Exhibitor.

- 4199 Bottle of Gamboge.
4200 Bottle of Butter of Gamboge.

Sooba Row, Exhibitor.

- 4201 Gold Embroidered Table Cloth
Rs. 350.

Venkejee Row, Exhibitor.

- 4202 Gold Palenkeen cover with three
curtains Rs. 1800.

Kristniah, Exhibitor.

- 4203 Musnud with three Pillows Rs. 1300

Chennajee Row, Exhibitor.

- 4204 Elephant head dress Rs. 125.

Kristniah, Exhibitor.

- 4205 Elephant Jheel Rs. 3500.

Hussajee Row, Exhibitor.

- 4206 Curtain Rs. 200.

Sooba Row, Exhibitor.

- 4207 Saddle Cloth Rs. 150.

Burmajee Row, Exhibitor.

- 4208 Cushion with three Pillows Rs. 400

Chennajee Row, Exhibitor.

- 4209 "Val Pavadey" Fair Rs. 400.

Venkejee Row, Exhibitor.

- 4210 Chutree Rs. 225.

Saka Row, Exhibitor.

- 4211 Portrait of Mysore Rajah Rs. 175.
4212 Pair of Cushions Rs. 40.
4213 Pair of Thusthan Rs. 40.
4214 Gold Embroidered cap Rs. 22.
4215 Do do Blue cap Rs. 20.

Coday Tooljah, Exhibitor.

- 4216 Silk Quilt Rs. 75.
4217 Large Silk Shawl Rs. 125.

Mukjee Nunjapha, Exhibitor.

- 4218 Silk Quilt Rs. 100.
4219 Large Silk Shawl Rs. 125.
4220 Yellow Silk Table cover Rs. 50
4221 Apron Rs. 10.

Mukjee Tookaram, Exhibitor.

- 4222 Silk Quilt Rs. 80.
4223 Large Silk Shawl Rs. 115.

Dhondala Esorsah, Exhibitor.

- 4224 Silk Quilt Rs. 100.
4225 Large Silk Shawl Rs. 120.

Chennajee Row, Exhibitor.

- 4226 Small Embroidered Umbrella Rs. 100

Venkejee Row, Exhibitor.

- 4227 Sooreapan with gilt top Rs. 300.

Chennajee Row, Exhibitor.

- 4228 Horse saddle with a Gilt head
Piece (Small) Rs. 200.

Sooba Row, Exhibitor.

- 4229 Dogs Jheel Rs. 50.
4230 Elephant saddle with a gilt head
Piece (Large) Rs. 300.

BANGALORE.

Chennajee Row, Exhibitor.

- 4231 Charjama Rs. 60.
4232 Toy dress Rs. 15.

Dhondajee Row, Exhibitor.

- 4233 Lace Embroidered Fan Rs. 21.

Mukjee Nunjaph, Exhibitor.

- 4234 Silk Check dress Rs. 9.

Mukjee Tookaram, Exhibitor.

- 4235 Three Silk Check dress 9 Rs. each
Rs. 27.

Coday Tooljah, Exhibitor.

- 4236 Five Silk Check dress 9 Rs. each
Rs. 45.
4237 Two Plain Silk dress 8 Rs. each
Rs. 16.

Dhondalay Esorsah, Exhibitor.

- 4238 Silk Check dress Rs. 9.
4239 Four Plain Silk Dress 8 Rs. each
Rs. 32.
4240 Silk and cotton dress Rs. 6.

Mr. Xavier, Exhibitor.

- 4241 Silk Cloth (weight 46 Rs.) Rs. 18-6.
4242 Seer of white Silk Thread Rs. 4-2-9.
4243 Seer of Yellow do Rs. 4-11.
4244 Do of Green do Rs. 5-9-3.
4245 Do of Black do Rs. 5-6.
4246 Do of Red do Rs. 5 3 6.
4247 Do of Purple do Rs. 5-7.
4248 Do of Rose do Rs. 6-2.

Mr. Cannan, Exhibitor.

- 4249 Packet of Coffee.
4250 Do of do

S. B. Kristnasawmy Iyengar, Exhibitor.

- 4251 Complete set of Children Toys
Rs. 5.

Mr. Lowry, Exhibitor.

- 4252 Bottle Sandal attar.

S. B. Kristnasawmy Iyengar, Exhibitor

- 4253 Sorts of Grains seeds Gums stones
asper list.
4254 Angil wood log Rs. 2-8.
4255 Punneer wood log Rs. 2-8.
4256 Large White Cumbly Rs. 35.
4257 Do Black do Rs. 26.
4258 Chempaca wood log.

Thunnajee Row, Exhibitor.

- 4259 Bending sword Rs. 30.
4260 Guzarat do Rs. 35.

Lutchmen Row, Exhibitor.

- 4261 Elephant Jhool Rs. 2500.

Mrs. Sewell, Exhibitor.

- 4262 Box of Crochet works.

Mr. J. Eagan, Exhibitor.

- 4263 Pack of Boots, &c.

2nd Apothecary G. Wrightman, Exhibitor.

- 4264 Pack of Peacocks tail feathers.

Mukjee Nunjaph, Exhibitor.

- 4265 Square Red Silk Shawl Rs. 30.
4266 Do Figured do Rs. 35.
4267 Do White do Rs. 25.
4268 Check Silk dress Rs. 9.

Coday Tooljah, Exhibitor.

- 4269 Square Figured Silk Shawl Rs. 30.
4270 Tartan Silk Dress Rs. 8.
4271 Green Shot Silk Dress Rs. 7-8.
4272 Check Silk Dress Rs. 8.
4273 Red Silk Scarf Rs. 12.

Thondalay Esarsah, Exhibitor.

- 4274 Square Red Silk Shawl Rs. 23.
4275 Purple Cotton Silk Dress Rs. 6.

BANGALORE.

Mukjee Tookram, Exhibitor.

- 4276 Large Red Silk Scarf Rs. 15.
4277 Square White Silk Shawl Rs. 28.
4278 Do Gray do Rs. 28.

Apothecary Barnes, Exhibitor.

- 6737 Specimen of stone carving Elephant
6738 Do of do (Bull.)
6739 Do of do (plain) Elephants

S. B. Kristnasawmy Iyengar, Exhibitor.

- 6740 Pair of artificial Mangoe Bunches
each containing 4 Mangoes.
6741 Sorts of Paddy as per list.

Poonnaje Row, Exhibitor.

- 6742 Red Embroidered saddle with Head
stall Rs. 90.

Hunajee Row, Exhibitor.

- 6743 Brown saddle with bridle straps
Rs. 100.

Poonnaje Row, Exhibitor.

- 6744 Fancy saddle cloth Rs. 14.
6745 Gold lace saddle cloth Rs. 225.

Local Committee Exhibitors.

- 6746 Single man's carpet As. 12.
6747 Carpet Rs. 1-8.
6748 Small carpet Rs. 1-5.
6749 do do As. 10.
6750 Choley As. 5.
6751 do As. 5.
6752 do As. 6.
6753 do As. 5.
6754 do As. 8.
6755 Woman's cloth Rs. 6 4.
6756 Superfine woman's cloth Rs. 14.
6757 Woman's cloth Rs. 4 12.
6758 do Rs. 5-12.
6759 do Rs. 8 8.
6760 do Rs. 3-4.
6761 do Rs. 3-6.
6762 Coarse Turband white Rs. 2 1.
6763 Superfine Black Turband Rs. 24.
6764 White Turband good Rs. 6.
6765 Superfine white Turband Rs. 14-4.
6766 do Dhotra Pair Rs. 10-8.
6767 Coarse Dhotra Pair Rs. 4.

- 6768 Butchkana pair course Rs. 1.
6769 Superfine Buchkana pair Rs. 1-12.
6770 Woman's cloth Rs. 5-4.
6771 Girl's cloth Rs. 5-1.
6772 do do Rs. 4-6.
6773 Choley As. 8.
6774 Do As. 8.
6775 Do As. 10.
6776 Do As. 13.
6777 Do As. 8.
6778 Do As. 9.
6779 Do As. 12.
6780 Do As. 9.
6781 Do As. 13.
6782 Do As. 8.
6783 Do As. 7.
6784 Do As. 7.
6785 Do As. 7.
6786 Do As. 6.
6787 Do As. 7.
6788 Do As. 12.
6789 Do As. 5.
6790 Do As. 6.
6791 Do As. 6.
6792 Do As. 8.
6793 Do As. 6.
6794 Do As. 6.
6795 Do As. 7.
6796 Do As. 10.
6797 Do As. 8.
6798 Coarse woman's cloth As. 15.
6799 Pair of men's cloth As. 15.
6800 Piece of Tent cloth Rs. 1-15.
6801 Do of trowser cloth Rs. 2-10.
6802 Course check woman's cloth As. 12.
6803 Imitation Bed Ticking As. 15.
6804 Six Handkerchiefs As. 12.
6805 Trowsers check cloth Rs. 1-12.
6806 Do Do Rs. 1-12.
6807 Piece of Bleached Trowsers cloth
Rs. 2 12.
6808 Do of Do Do Rs. 2-4.
6809 Do of chintz 8 yards Rs. 1-12.
6810 Do of Do 8 Do Rs. 1-12.

Lieut. Wilkieson, Exhibitor.

- 6811 Gum Resin.

Lieut. Puckle, Exhibitor.

- 6812 Metal mirror.

Local Committee Exhibitor.

- 6813 Native silk cloth Rs. 6-10.

Sooba Row, Exhibitor.

- 6814 Pair of arrow cases Rs. 50.
6815 Do of Embroidered belts Rs. 40.
6816 Toy jacket Rs. 25.

Local Committee, Exhibitor.

- 6817 Pair of rugs Rs. 11.
6818 Do of Do Rs. 9.
6819 Do of Do Rs. 9.

BANGALORE.

James Western Veterinary Surgeon Horse Artillery Exhibitor.

- 6820 A sword with electro plated ornaments.
- 6821 A sword with electro plated ornaments.
- 6822 A crisse handle and ornaments of sheath made of copper at Bangalore plated.
- 6823 A dagger made at Trichinopoly. handle and ornaments of Scabbard silver electro gilt.
- 6824 A pair of native brass stirrups plated.
- 6825 A Cigar lighter Trichinopoly made of silver gilt.
- 6826 A Burmese Idol—Plated and Polished.
- 6827 A Brass lamp cast at Bangalore plated.
- 6828 A small Brass figure forming a lamp cast at Bangalore gilt.
- 6829 A Burmese Poongee House of four pieces—Plated.
- 6830 A Brass bell cast at Bangalore plated.
- 6831 A Burmese Peacock gilt.
- 6832 A Burmese Pagodah of two pieces partly plated partly gilt.
- 6833 A Burmese Idol Plated.
- 6834 A Copper lamp cast at Bangalore plated.
- 6835 A small brass figure forming a lamp cast at Bangalore Match to no. 6828 plated.
- 6836 A Brass Elephant Rider cast at Bangalore Plated.
- 6837 A small brass figure cast at Bangalore gilt.
- 6838 A small Burmese image plated.
- 6839 A pair of Burmese brass ear rings gilt.
- 6840 A brass bull cast at Bangalore plated
- 6841 A Copper Hindoo Idol plated.
- 6842 A small brass figure cast at Bangalore Match to no. 6837 gilt.
- 6843 A brass figure of a Horseman cast at Bangalore plated.
- 6844 A copper figure of a Hindoo female cast at Bangalore plated.
- 6845 A small copper Hindoo Idol cast at Bangalore plated.
- 6846 A copper lamp cast at Bangalore Match to no 6834 plated.
- 6847 A brass Bangle for the ankle Manufactory unknown plated.
- 6848 3 Brass wire chains made at Bangalore plate.
- 6849 A Brass sotah cast at Bangalore plated.
- 6850 A pair of Brass native armlets made at Bangalore gilt.
- 6851 A Brass Rosette for head ornament made at Bangalore partly plated and partly gilt.
- 6852 A Brass chunam box made at Bangalore plated.
- 6853 A pair of brass wire bracelets made at Bangalore gilt.
- 6854 A brass Native comb made at Bangalore plates.
- 6855 A Burmese Idol Dragon gilt.
- 6856 A Bunch of seven brass chains for hair ornament made at Bangalore gilt.
- 6857 A brass wire neck chain made at Bangalore gilt.
- 6858 A brass betel cutter steel blad made at Bangalore Plated.
- 6859 A brass ornament for child's waist made at Bangalore Plated.
- 6860 A brass chunam box made at Bangalore Match for No 34 gilt.
- 6861 A pair of brass wire bracelets made at Bangalore Match for No, 35 gilt.
- 6862 A pair of brass armlets made at Bangalore gilt
- 6863 A brass rosette for hair ornament Plated.
- 6864 A brass Sotah cast at Bangalore Plated.
- 6865 A copper spoon made at Bangalore Plated.
- 6866 Three brass wire neck chains made at Bangalore gilt.
- 6867 A Burmese betel box of silk er gilt

Captain Thomas Hay Campbell, Exhibitor.

- 9311 "The Campbell Hammer" made up in the Bangalore Arsenal to be worked by manual labor, or adapted to Steam Wind or water power.
- A Hammer upon this principle has for many months been in daily use in the Bangalore Arsenal and large masses of Iron have been forged with it.
Dimensions of model Length 11 feet Breadth 4 feet Height 11 feet.
- 9312 "Bangalore High Gauge Grumets" made up in the Bangalore Arsenal.
No. 1 of Leather No. 2 of Duck.

BANGALORE.

First Class Foreman George Ambrose, Exhibitor.

9313 " Improved Water Cart and Roller" chiefly adopted for grass and Garden walks.
If used for Grass the Roller to be of wood if for Roads, of stone or Iron.

Gunner Jeremiah Cogan of Horse Brigade Artillery, Exhibitor.

9287 1 Buffalo Hides Rs. 13.

9288 1 Bullock Hides Rs. 12.
9289 1 Cow do Rs. 8.
9290 1 Buggy Top Rs. 9
9291 2 Elk skins each Rs. 9.
9292 1 Pig skin Rs. 10.
9293 1 Bear skin.
9294 3 Calf skins waxed each Rs. 3-8.
9295 3 Goat skins black each Rs 3.
9296 6 Sheep skins each Rs 2.
9297 6 Calf skins unborn each Rs. 1.
9298 10 Lamb skins unborn each As 8
9299 Antelope skins Rs. 1-8
9300 4 Cheta skins.

BELLARY.

Local Committee, Exhibitors.

Mineral Kingdom.

- 1335 five Chomboos, } 23½ seers.
 1336 one Kadyee, } Rs. 10-8.
 1337 two Sepoy's Bohany. }

Brass wares are extensively made in the Bellary Koodlaghee and Punchapalum Talooks, and are in much demand.

Koodlaghee Tahsildar, Exhibitor.

- 1338 two pieces of Brass, }
 1339 one Chomboo, }
 1340 one small Borony, } Rs. 2-1.
 1341 one Incense Burner, }
 1342 two small Plates, }
 1343 one Bell and }
 1344 one Toy, containing seers 5, @ 6 As. }

In the Bellary Market Brass Wares are sold at 7 Annas per seer.

Local Committee, Exhibitors.

- 1345 Copper Stone and Sand.

There is a Hill called Copper Hill near Heerahall in the Bellary Talook, and there is also a tradition among the people that Copper was worked formerly from the above Hill.

- 1346 two Chomboos, } seers 9½ @ 8 As.
 1347 two Plates, } Rs. 4-8.
 1348 six Brass and Copper Images, seers 6, @ 14 As. Rs. 5-4.

Koodlaghee Tahsildar, Exhibitor.

- 1349 Iron Stone, red.
 1350 do. do. grey.
 1351 Bloone or Cuttee.
 1352 two do. do. Bars.
 1353 half two Plans.

Iron is manufactured extensively in the Koodlaghee Talook, an account of the Iron Furnaces have already been published.

Local Committee, Exhibitors.

- 1354 Iron Sand.
 1355 do. Brown.
 1356 do. Grey.
 1357 do. Prismatic.
 1358 do. with Antimony.
 1359 two do. Bars.
 1360 Different kinds of Stone mixed with Iron.

There is an abundance of Iron Ores in this District. Those from the Soondoor Zemindary are considered the best. The stones are preferred to the sand.

- 1361 Steel.

It is manufactured to a small extent in the Koodlaghee Talook.

- 1362 Bell Metal and, } seers 2, @ 8 As.—Rs. 1.
 1363 one Chomboo. }

A very inferior kind is in use in this District.

Syed Hoossam, Exhibitor.

- 1364 Gun Lock, Rs. 6.
 1365 Silver Compass, Rs. 4.
 1366 Brass do. Rs. 2.

Local Committee, Exhibitors.

Alkalies, Earths and their Compounds.

- 1367 Soda Nitrate of.

This District abounds with this kind of earth.

- 1368 Soda Carbonate of.

This earth is chiefly used by Washermen.

- 1369 Saltpetre, 1st sort.
 1370 do. 2d do.

This District is very favourable for the manufacture of Saltpetre. The earth is put into pits made for the purpose and mixed with salt water. The water is then drawn off into earthen pots and boiled and afterwards poured into shallow vessels and allowed to dry.

- 1371 Saline Earth.

The earth from which common or earth salt is usually manufactured in this District.

- 1372 Earth Salt.

It is manufactured nearly in the same manner as Saltpetre; only the water is not boiled as in the other case. It is most extensively used in this District. The people however prefer sea salt, but for its price which is sold at 16 seers per Rupee.

Penoogondah Tahsildar, Exhibitor.

- 1373 Bangles.
 1374 Saline Earth.
 1375 Choutee Billaloo or pieces made from the above.
 1376 Ingredients used in giving colour to the Earth.
 1377 Gajoo Gedda or the substance from which bangles are made.
 1378 Bangles or Gajooloo.

These are made from a kind of soda or saline earth. The process is more laborious than that of making Saltpetre and occupies nearly two months.

BELLARY.

Local Committee, Exhibitors.

1379 Chalk.

Fifteen different kinds of Chalk Earth produced in the Ramanmallay Hills.

1380 Lime or Lime Stone.

1381 do. do.

1382 do. do.

1383 do. do.

Found in abundance in this District.

Basawa Potter in Adonic, Exhibitor.

1384 Clay.

Used for making Chatties, &c.

1385 Clay.

Used for making Pipes, &c.

Local Committee, Exhibitors.

1386 Red Ochres.

1387 Yellow Ochre.

Found in abundance in the Yadakee Talook.

1388 Bob or Red Earth.

Found in the Koodlaghee Talook.

1389 Flints, $\left\{ \begin{array}{l} 1. \text{ Red.} \\ 2. \text{ Brown.} \\ 3. \text{ Black.} \end{array} \right.$

Found in abundance in the Yadakee and Adonic Talooks.

1390 Granites.

Different kinds of granite stone found in the Bellary District. They are extensively used for building purposes.

1391 Marble.

Found in the Yadakee Talook. It is used for making vessels, &c.

1392 Sand Stones.

Found in Romondroog in Bellary.

1393 Hone stone, inferior kind.

Found in abundance at Jonk in the Kumpy Talook, 20 miles north of Bellary and country adjacent likely to be useful for rough hones or knife sharpening stone of a kind similar to what are used in England and sold under the designation of rag stones.

Punchapalem Tahsildar, Exhibitor.

1394 Diamond Stones.

Taken from the Mine in which diamonds were formerly found in Mooncmadoogoo. These Mines are not worked now but small grains of diamond are even now occasionally found.

Local Committee, Exhibitors.

1395 White Stones.

Found in abundance in the beds of Rivers and Nullahs, used sometimes for Polish.

Anantapoor Tahsildar, Exhibitor.

1396 Quartz Crystalline, Blue.

1397 do. do. White.

1398 do. do. Smoky.

These are found in the Mines at Singanamalay and other places of the Anantapoor Talook.

Local Committee, Exhibitors.

1399 Soap Stone.

Found in the Adonic and Tadputre Talooks, 5 Annas per maund, used for Polish, &c.

1400 Pot Stone.

Found in abundance in the Hurpunhully Talook used chiefly in making vessels.

1401 Tale.

Produced in abundance in the Punchapalem Talook, and in many other parts of the District, 2 Rupees per maund.

The Bellary District contains many and valuable kinds of mines, but the science and Capital of Europe are necessary to develop its resources fully.

Spices and Condiments.

1402 Areca Nuts, raw.

Is cultivated in abundance in the wet Talooks of this District.

1403 Areca Nuts, boiled.

It is in this form that Areca Nuts are chiefly sold in the bazars.

1404 hundred Betel Leaf, 2 Picc.

1405 Chillies.

1406 Ginger.

1407 Cummin.

1408 Mustard.

1409 Turmeric.

1410 Coriander Seeds.

Cultivated in all the Talooks of this District.

Sugar Series.

1411 Sugar, white

1412 do. brown.

1413 Jaggery.

Sugar Cane cultivation is carried on to the extent of 5500 Acres in this District, but it is manufactured into Sugar in the Bellary and Hindoopoorum Talooks only.

In Fusly 1265—5347 Acres of wet land were cultivated with Sugar Cane in this District.

1414 Date Jaggery.

Date Trees grow spontaneously and in abundance in this District. Toddy is extracted from the Date.

Dyes.

1415 Safflower.

1416 Corthanens Tinctorius.

1417 Pulas Flowers.

1418 Butea Frondosa.

1419 Myrobolans Belleric.

1420 do. Chebulic.

1421 Turmeric.

1422 Lac Gum.

1423 Indigo.

1424 Papli Chuckay.

1425 Ventilago.

1426 Muddy Chuckay or Bark of Citrifolia.

BELLARY.

- 1427 Morinda.
1428 Aliakoo Memecylon Tinctorium.
1429 Lac Stick.

Produced in the Bellary District.

Anantapoor Tahsildar, Exhibitor.

- 1430 Cheroonjee, Red Eye.

In Fusly 1265 the quantity of land cultivated with Indigo was 1115 Acres in this District. The other stuffs used for dying can be had in the bazars but are not produced in this country.

Local Committee, Exhibitors.

Tanning Substances.

- 1431 Babool.
1432 Turwar.
1433 Poungranate kind.
1434 Myrobolans.

These are the principal substances used for tanning in this District and can be produced in abundance.

Koodlaghee Tahsildar, Exhibitor.

Gum and Gum Resins.

- 1435 Babool Gum.
1436 Acacia Arabica.
1437 Drisina Gum.
1438 Sirissa.
1439 Wood Apple Gum.
1440 Mooringa.
1441 Booraga or Bombox Malaborianc.
1442 Pulas or Butca Frondosa.
1443 Ficus Indica Hill.
1444 Shaymeotay Gum Semecarpus Duacardum.
1445 Caroo Moonga Gum.
1446 Jack Fruit Gum.

Produced in this District in abundance. These gums are chiefly used for paste in this District.

- 1447 Vengay Marum.
1448 Ptocarpus Marsupium.
1449 Andoogachettoo Gum.
1450 Acacia Cencophlea Gum.
1451 Moorgasa Gum.
1452 Chemdra Tree Gum.
1453 Jana Tree Gum.
1454 Wild Mango Tree Gum.
1455 Someechettoo Tree Gum.

Local Committee, Exhibitors.

Oil Series.

- 1456 Hemp Seed.

Is cultivated extensively in this District, for the sake of the Fibre.

- 1457 Illappoo.

Can be had in abundance in this District.

- 1458 Castor Oil Seed.

Is cultivated extensively in this District. Oil chiefly used for medicinal purposes.

- 1459 Lamp Oil Seed.

- 1460 2d sort do.

Is cultivated extensively in this District, chiefly used for lighting purposes.

- 1461 Lamp oil, wild.

This is a Jungle product. Oil is extracted from it by the inhabitants of the Koodlaghee Talook.

- 1462 Cocoa.

Cocoanut Trees are cultivated to a limited extent in this District and are prepared for extracting oil only in the Royadroog Talook.

- 1463 Poon Seed.

Found in abundance in the Koodlaghee Talook.

- 1464 Ground Nut.

Is cultivated in the Hindoopoorum Talook.

- 1465 Poppy Seed.

Is cultivated to a limited extent in the Hindoopoorum, Madugserah and Koodlaghee Talooks.

- 1466 Neem or Margosa Seed.

Found in considerable quantity in this District.

- 1467 Gingely, white

- 1468 do. black.

Is cultivated extensively in this District.

- 1469 Mustard.

Is cultivated in all the Talooks.

- 1470 Ramtil.

Is much cultivated in the Koodlaghee Talook.

- 1471 Koosoom.

Is cultivated in the Adonie, Goollem Punchapollem and Gootty Talooks.

- 1472 Linseed.

Is cultivated extensively in this District.

- 1473 Shayneotay.

Jungle product.

- 1474 Poonga.

Can be had in abundance.

- 1475 Anise.

Is cultivated in the Koodlaghec, Raidroog and Madugserah Talooks.

- 1476 Khus Khus or Vitives.

Is cultivated in the Hindoopoorum, Madugserah and Koodlaghee Talooks.

- 1477 Cucumber Seed.

- 1478 Melon Seed.

- 1479 Pumpkin Seed.

Is cultivated in abundance in this District, but the Oil is extracted from them nor are the seeds sold in no bazar.

- 1480 Bondue Nut.

Jungle product.

- 1481 Pulas.

Is found abundantly in jungles.

- 1482 Nux Vomica.

Found in abundance in the Soondoor Hills.

- 1483 Sweet Fennel.

Is cultivated in the Raidroog and Hindoopocrum Talooks.

- 1484 Coriander.

Is cultivated in this District.

- 1485 Cummin.

Is cultivated in abundance in this District.

BELLARY.

1486 Fenugreek or Vendium.

Is cultivated in this District.

1487 Bishop's Weed Seed.

Is cultivated in the Bellary, Raidroog and Hindoopoorum Talooks.

1488 Sweet Flag.

Is cultivated in the Koodlaghee and Bellary Talooks.

1489 Tobacco Seed.

Is cultivated in this District to a considerable extent.

1490 Gogoo.

Is cultivated extensively in this District, the fibre of this plant is in much demand for ropes.

1491 Tagray Vittoolo.

Is cultivated in the Bellary District.

1492 Agasee Vittooloo Seed of Agatigrandiflora.

Is cultivated in this District.

1493 Varjapacoo or Cullyana Moorookoo Seed.

Found in abundance.

1494 Water Melon Seed.

Is cultivated abundantly in this District.

1495 Cotton Seed.

Is cultivated extensively in this District.

1496 Mooroonga Seed.

Is cultivated extensively. The pod or fruit used as pulse by the Natives.

1497 Jamaica Yellow Thistle.

Found in abundance.

1498 Sarapappoo or Seed of Wild Mango.

Found in a limited quantity.

1499 Seed of Ragoo Chettoo or Zizyphus Gujeeba.

Found in abundance.

1500 Thorn Apple Seeds.

This is a wild product and found in abundance.

N. B.—The above are produced in this District, although no oil is extracted from all of them for general use, yet as it is extracted occasionally for medical purposes, the Local Committee have forwarded specimens of them for being exhibited. The Committee are indebted for some of these to the Raidroog Tahsildar.

Oils.

1501 Margosa.

1502 Ippe.

1503 Gingely.

1504 Coosoom.

1505 Lamp.

1506 Linseed.

1507 Cocoanut.

1508 Castor.

Produced in Bellary. These are the principal Oils in use in this District.

Grains cultivated as Food for Man in this District.

1509 Wheat, 1st sort.

Is cultivated in this District, but only to a very small extent.

1510 Wheat, 2nd sort.

Is cultivated in this District in abundance, requires the best land.

1511 Rice, 1st sort.

1512 Rice, 2nd sort.

White red and black paddy of various sorts are grown in this District in abundance.

1513 Raggy.

Is cultivated in this District in great quantity.

1514 White Jonnaloo.

Is cultivated in great abundance in this District. Large quantities are conveyed to other Districts for sale. Is the principal article of food among the lower classes of the people.

1515 Neroo Jonnaloo.

1516 Red do.

These 3 sorts of Jonnaloo are grown in this District.

1517 Spiked Millet.

1518 Italian do.

1519 Common do.

Is cultivated extensively in dry land.

1520 Indian Corn or Mueka Cholum.

Is cultivated extensively in this District.

1521 Samaloo.

1522 Carraloo.

Pulses used as Food for Man, in this District.

1523 Fenugreek.

Is cultivated extensively in this District.

1524 Chick Pea or Bengal Gram.

Is cultivated much in this District.

1525 Lentil.

Is cultivated in the Hindoopoor and Koodlaghee Talooks.

1526 Green Gram.

1527 Moony or Monash.

1528 Horse Gram.

1529 Bullar.

1530 Pegion Peas or Dhall.

1531 Alasundooloo or Karamany.

1532 Madepasaloo.

1532½ Badaloo or Broken Dhall.

Is cultivated extensively in this District.

Medicinal Substances.

1533 Hydrocotyle.

Used for removing heat and for Rheumatic complaints.

1534 Bondue Nut.

For Fever and Inflammation.

1535 Maraka Vittooloo.

For purifying Blood.

1536 Strichynos Nux Vomica.

For Rheumatic complaints.

1537 Cachoo Vittooloo.

For Bile complaints.

1538 Chenopodium Album.

For Purging.

BELLARY.

- 1539 Indigo Seed.
- 1540 Gunjaroo Vittooloo.
Used for Decoctions in case of Fever, &c.
- 1541 Semecarpus Anacardium.
Used in the place of Costic, &c.
- 1542 Anise Seed.
Used for Decoction.
- 1543 Cucurbita Lagenaria.
Used in Medicinal Oils.
- 1544 Ocimum Basilicum.
Used for Venereal complaints.
- 1545 Raddish Seed.
Used for Piles.
- 1546 Pootrunjee Vittooloo.
Used for the removal of heat with other ingredients.
- 1547 Vitex Negundo.
Used for Rheumatism.
- 1548 Melon Seeds.
- 1549 Beans.
- 1550 Cowitch Seed.
Used for recruiting strength.
- 1551 Choonchoo Vittooloo.
Used for Venereal complaints.
- 1552 Hyperanther a Moringa.
For purifying Blood.
- 1553 Cucumber Seed.
For Urine complaints.
- 1554 Cucumis Acutamilus.
For Emetic.
- 1555 Neem Seeds or Margosa Seed.
Used for healing sores in the Tongue.
- 1556 Hemp Seed.
For preventing Purging.
- 1557 Bauvunchi Vittooloo.
Used for healing Itch.
- 1558 Buchala Vittooloo.
Used for Indigestion.
- 1559 Ungara Guddy Vittooloo.
Used for Fever.
- 1560 Pennaroo Gudda Vittooloo.
- 1561 Gungoni Vittooloo.
For removing Heat.
- 1562 Barleria Longifolia.
For renovating Strength.
- 1563 Moodra Benda Vittooloo.
For stopping Purging.
- 1564 Tella Goondi Vittooloo.
For Bile complaints.
- 1565 Wild Liquorice Seed, red.
- 1566 do. black.
Used in Oils for curing Bald Head.
- 1567 Water Melon.
For burnings in the Stomach.
- 1568 Mango Seed.
For Dysentry.
- 1569 Seed of the Alangium Decapetalum.
For Liver complaints.
- 1570 Clearing Nut.
For Venereal complaints.
- 1571 Duttoory Vittooloo.
For Itch.
- 1572 Actryranthes Aspera.
For Cough.
- 1573 Barikee Vittooloo.
For renovating strength.
- 1574 Hixbiscus Isarlontus.
For stopping Purging.
- 1575 Cata Badamy.
For healing Sores.
- 1576 Vamita Vittooloo.
For Rheumatic complaints.
- 1577 Soap Nut.
For Fever and Headache, &c.
- 1578 Mustard, white.
For Rheumatic complaints.
- 1579 Budramoostiloo.
- 1580 Root of the Mat Grass or Cyperus Junsefolia.
For Fever.
- 1581 Moonnoota Karakaya.
For Inflammation.
- 1582 Colocynth.
For Purging.
- 1583 Maroolo Mathungee Kaya.
- 1584 Vadamoora Kaya.
- 1585 Vayoo Velum Galoo.
- 1586 Gooroomoodee Akoo.
- 1587 Muthone Monthoo Vomum.
For Rheumatic complaints.
- 1588 Worm Wood Seed.
For removing Heat.
- 1589 Myrobalan Chebulic.
Used much for Decoctions.
- 1590 Leaf of the Malabar Nut Justicia Adatoda.
For Headache.
- 1591 Raugakasawaraloo.
For Purifying Blood.
- 1592 Berjera Konigu.
- 1593 Ananoo Poovoo.
For Bile complaints.
- 1594 Sun Flower.
For renovating Strength.
- 1595 Gaudy Birthwort.
For Venereal complaints.
- 1596 Purpatakum.
- 1597 Choory Vomum.
For Fever.
- 1598 Indian Gum Arabic.
For Toothache.
- 1599 Oleandur.
For Eye Sore.

BELLARY.

- 1600 Henbane.
For Liver complaints.
- 1601 Indigo Leaf.
The Juice is externally applied in Rheumatical cases.
- 1602 Henbane.
- 1603 Golebury Poorooloo.
- 1604 Moottul Moorekee.
For Piles.
- 1605 Bishop's Weed Seed.
For Indigestion, &c.
- 1606 Gum Arabic, country.
For recruiting Strength.
- 1607 Cummin Seed.
For Bile complaints.
- 1608 Asbestos.
For Venereal complaints.
- 1609 Thellooppee.
- 1610 Physalis Flexulera.
- 1611 Meins Permum Cardifolium.
- 1612 Enolunlus Alsenoides.
For Fever used in Decoction.
- 1613 Potash.
- 1614 Sweet Flag, wild.
Rheumatic complaints.
- 1615 Mauthungee Akoo.
Headache.
- 1616 Nucka Pitty Gudda.
Purifying Blood.
- 1617 Chathoo Bearakaya.
Emetic.
- 1618 Hyperanthera Moringa.
- 1619 Rawthy Pundoo.
Recruiting Strength.
- 1620 Wild Onion.
Used as a remedy in cases of Poison.
- 1621 Nunju Checka.
For Fever.
- 1622 Volkameria Inermis.
For Rheumatic complaints.
- 1623 Turwar or Cassia Ariculata.
For preventing Purging.
- 1624 Prickly fruited pedallium.
For recruiting Strength.
- 1625 Mungary Kaya.
For Rheumatic complaints.
- 1626 Orchiaades.
- 1627 Cureuligu Fossils.
For recruiting Strength.
- 1628 Ericky Pundloo.
For Healing Sores in the Tongue.
- 1629 Lotus Flower.
- 1630 Myrobolanemblic.
For removing Heat in the Body.
- 1631 Sweet Fennel.
For Decoction in cases of Fever.
- 1632 Ginger.
For Decoction in Bile, &c.
- 1633 Miyooroo Sukee.
For Rheumatism.
- 1634 Gauray Pundoo.
For Rheumatic complaints.
- 1635 Surusvuthy Akoo.
- 1636 Boochuera Gudda.
- 1637 Prickly Fruited.
For Fever.
- 1638 Nullooppee.
For Fever and Leprosy.
- 1639 Aloe.
- 1640 Ranookooloo.
For Cough.
- 1641 Barleria Longifolia.
For Recruiting Strength.
- 1642 Root of the Ocunum Sanctina.
For Fever.
- 1643 Peddamoolaka.
For Cough.
- 1644 Thippa Theagha.
- 1645 Phylanthus Nirnic.
For Venereal complaints.
- 1646 Root of Nux Vomica.
For Rheumatic complaints.
- 1647 Purging Cassia.
For Purging.
- 1648 Fruit of Babool Tree.
For Toothache.
- 1649 Root of Senna.
For Purging.
- 1650 Jungle Coriander.
For Rheumatism.
- 1651 Bark of Morinda Cetrifolia.
For Fever.
- 1652 Country Sarsaparilla.
For Purifying Blood.
- 1653 Ocunum Sanctina.
For Fever.
- 1654 Indian Birthwart.
For Rheumatism.
- 1655 Sarsaparilla.
For Purifying Blood.
- 1656 Achyranthes Aspera.
- 1657 Chittaw Mootty Varoo.
For Fever.
- 1658 Nala Goommudy Varoo.
For Rheumatism.

BELLARY.

- 1659 Nela Vamboo.
For Fever.
- 1660 Ceylon Leadwort.
For Rheumatism.
- 1661 Babool Bark.
For Toothache.
- 1662 Jamaica Yellow Thistle.
For Fever.
- 1663 Cachurakaya Gudda.
For Biles, &c.
- 1664 Adavee Yalakooloo.
For Bile complaints.
- 1665 Vittoo Vanydallee or Nimmapundoo Poovooloo.
For removing Heat.
- 1666 Elephant Bondue Nut.
- 1667 Turmeric.
For removing wind.
- 1668 Seed of the Termenalia Blerica.
For Emetic.
- 1669 Cocoa Flower.
For removing Heat.
- 1670 Puchary Akoo.
For Headache.
- 1671 Saraparoopoo or kernel of the wild Mango.
For recruiting Strength.
- 1672 Boomythoomma Vittoooloo.
For Emetic.
- 1673 Seed of the Aegle Marmelos.
For removing Heat.
- 1674 Kistna Abaurgoo.
Used for making White Lead, &c.
- 1675 Podor Shell of the Aegle Marmelos.
For removing Heat.
- 1676 Indian Madder.
- 1677 Choornum Gudda.
For Fever.
- 1678 Seekaya Vittoooloo.
For Sores.
- 1679 Gunpodoo.
- 1680 Adavee benda Vittoooloo.
For stopping Purging.
- 1681 Chadoo Indra Beloova.
For removing Heat.
- 1682 Adavee Thunda Vittoooloo.
For Sores.
- 1683 Turwar Flower.
For removing Heat.
- 1684 Phy Lanthus Emblica.
For Toothache.
- 1685 Samoodra Palum Vittoooloo.
Used as a remedy for complaints in the Eye.
- 1686 Sree Gundapoo Vittoooloo.
Used in Oils.
- 1687 Mint Leaf.
For Bile complaints.
- 1688 Kala Pippuloo.
For Fever.
- 1689 Adavee Thoomma Kaya.
- 1690 Root of the Marinda Citrifolia.
For recruiting Strength.
- 1691 Adavee Rayla Vittoooloo.
For Purging.
- 1692 Turwar Seed.
- 1693 Seed of Ficus Relegiosa.
For recruiting Strength.
- 1694 Verbena Nodiflora or Tobacco Seed.
For Sores and Ulcers.
- 1695 Pal Thookum.
For Piles.
- 1696 Earth Salt.
For removing Rheumatism.
- 1697 Solanum Puliescent.
For preventing running in the Nose.
- 1698 Chathoo Beera Vittoooloo.
For Emetic.
- 1699 Wild Date Seed.
- 1700 Chiretta.
For recruiting Strength.
- 1701 Sorrel.
For Bile complaints.
- 1702 Mango Seed, tender.
For stopping Purging.
- 1703 Juvee Vittoooloo.
For recruiting Strength.
- 1704 Brinjal Seed.
- 1705 Nullavalevy Vittoooloo.
- 1706 Seed of Ficus Racemosa.
For Rheumatism and Bile complaints.
- 1707 Seed of Myrobolan Emblic.
For removing Heat.
- 1708 Cassia Ariculata.
For side Pain.
- 1709 Turwur Seed, 2d sort.
For preventing Purging.
- 1710 Theepoo India javaloo.
For removing Heat.
- 1711 Vornum Poovooloo.
For Cough.
- 1712 Voodaura Vasin Poovooloo.
- 1713 Sapydra Mesiry.
For removing Heat.

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- 1714 Benzoin.
For Headache.
- 1715 Root of Aegle Marmelos.
For Digestion.
- 1716 Erra Valoodoo Putta.
- 1717 Bark of Ficus Racemosa.
For Rheumatic complaints.
- 1718 Bark of Ailanthus Excelsa.
- 1719 Chathoo Petla Theaga.
For Fever.
- 1720 Gunpodoo Theaga.
- 1721 Checkool Akoo.
For Rheumatism.
- 1722 Moolloo Pauper Chettoo Theaga.
For Dysentery.
- 1723 Tree Turmeric.
For Fever.
- 1724 Thegada Varoo.
For Purging.
- 1725 Root of the Lotus.
For removing Heat.
- 1726 Chegata Puttah.
- 1727 Poorooda Rutnum.
- 1728 Chettoo Bashee.
For Recruiting Strength.
- The purposes for which these medicines are used
as stated by the Exhibitor are given above.

Ahobala Row, Tahsildar, Exhibitor.

Fibres produced in the Bellary District.

- 1729 Zilladoo Colotropis Gigantea.
- 1730 Kudechika Fibre.
- 1731 Paulava do.
- 1732 Plantain do.
- 1733 Conda Zanapha, Wild Hemp.
- 1734 Wild Aloe Fibre.
- 1735 Gogoo do.
- 1736 Hemp.
- 1737 Cocoa Fibre.
- 1738 do. do.
- 1739 do. do.
- 1740 Wild date, do.
- 1741 do. do.
- 1742 Palmyra do.
- 1743 Mogely do.
- 1744 Wild Cotton Tree do.
- 1745 Wild Soapnut do. do.
- 1746 Kulekee do. do.
- 1747 Palavaranoo do. do.
- 1748 Chinna Janachettoo do.
- 1749 Eggadatur tree do.
- 1750 Nate kauditur do. do.
- 1751 Woolloosoo do. do.
- 1752 Peddajana do. do.
- 1753 Tooggalee do. do.
- 1754 Pillarapoo do. do.
- 1755 Kanaga or Morinda Cetrifolia do.
- 1756 Narapee do. do.
- 1757 Kondajoony do.
- 1758 Babool do. do. or Tellatoommah.

- 1759 Konda Rancee Chettoo tree
- 1760 Konda Chella tree do.
- 1761 Nullatoommah or Babool tree of the black
kind do.
- 1762 Boooda Jalee tree or kind Babool tree do.
- 1763 Seetapul tree do.
- 1764 Voddy Chettoo do.

Goollem, Tahsildar, Exhibitor.

- 1765 Ragee Narah or Ficus Religiosa.
- 1766 Marree Narah Ficus Indica.
- The Principal Fibres in use in this District are
Wild Aloe, Kemp, Gogoo, Narapee and Cocoa.

Local Committee Exhibitors.

Timber and Fancy Wood.

No Timbers grown in Bellary. The small pieces
of wood now sent are specimens of trees of small
size found in Ramanmalay.

- 1767 Nulla Vootee.
- 1768 Nulla Purigee Chettoo.
- 1769 Taragoo Mola.
- 1770 Ara Chettoo.
- 1771 Thoondiga do.
- 1772 Balasoo do.
- 1773 Erragoommady.
- 1774 Kelunda Moockady.
- 1775 Poolla Buchalee.
- 1776 Kunda Ragee Chettoo.
- 1777 Moorike do.
- 1778 Jumbie do.
- 1779 Adavee Sekaya do.
- 1780 Moga Thoondiga do.
- 1781 Karay do.
- 1782 Thonda do.
- 1783 Vootrajeevy do.
- 1784 Hootatha do.
- 1785 Palavaranoo do.
- 1786 Sawdavy do.
- 1787 Moolloo Thindoo Chettoo.
- 1788 Peny Yala do.
- 1789 Kooccanaradoo.
- 1790 Kakeerecca Jonna do.
- 1791 Veboothy Jonna do.
- 1792 Juvy do.
- 1793 Moga Beera do.
- 1794 Erra Purigee do.
- 1795 Garinda do.
- 1796 Eddoonaliga do.
- 1797 Nucka Pitta Geddy do.
- 1798 Ibbudy do.
- 1799 Errabana do.
- 1800 Chundra Chucka do.
- 1801 Munchy Toomarika.
- 1802 Voodaga do.
- 1803 Jeedy Ginja do.
- 1804 Nulla Janna do.
- 1805 Rayla do.
- 1806 Polikee do.
- 1807 Aniga Pullaroo do.
- 1808 Tandra do.
- 1809 Chilla Ginjala do.
- 1810 Chinthu do.
- 1811 Pooleke do.
- 1812 Sreegundapoo do.
- 1813 Vapa do.
- 1814 Bobbidy do.

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- 1815 Gutty Vadaroo.
- 1816 Nulla Voottee do.
- 1817 Vapy Nara do.
- 1818 MODOOGA do.
- 1819 Poonnamanoo.
- 1820 Nalavoosirica.
- 1821 Pedda Thungadoo do.
- 1822 Dunthy do.
- 1823 Bicky do.
- 1824 Kanaga do.
- 1825 Koondana Coommula do.
- 1826 Koocka Valaga do.
- 1827 Nullagoorivy do.
- 1828 Goodisa do.
- 1829 Somundy do.
- 1830 Atti do.
- 1831 Goni do.
- 1832 Chagoorathe do.
- 1833 Bugany do.
- 1834 Gorithecutta do.
- 1835 Moondla Gorivee do.
- 1836 Rawthe Gorivee do.
- 1837 Adivce Ipee do.
- 1838 Thakoo do.
- 1839 Munche Seekaya do.
- 1840 Tellavooppee do.
- 1841 Chinnakara do.
- 1842 Munga do.
- 1843 Peddavoosirika do.
- 1844 Adivce Meriyala do.
- 1845 Booraga do.
- 1846 Amatykaya do.
- 1847 Voolinda do.
- 1848 Vavily do.
- 1849 Nullatungadoo.
- 1850 Adavee Moonaga.
- 1851 Koocka Jada Chettoo.
- 1852 Moondla Vippa do.
- 1853 Toommy do.
- 1854 Goravunka do.
- 1855 Adadoondy do.
- 1856 Mogadoondy do.
- 1857 Thalisie do.
- 1858 Neroopoochakaya do.
- 1859 Adavi Uttee do.
- 1860 Pachary do.
- 1861 Peddamaunoo do.
- 1862 Kadadara do.
- 1863 Nullee do.
- 1864 Muddy do.
- 1865 Konda Jumboo do.
- 1866 Pedda Irikee Maunoo.
- 1867 Mogamuddy do.
- 1868 Goodisa do.
- 1869 Bingala do. or Gungaravee do.
- 1870 Karakaya do.
- 1871 Adavee Ragee.
- 1872 Ratty Juvee.
- 1873 Panacy Chettoo.
- 1874 Metla Maunoo.
- 1875 Thotla Theaga.
- 1876 Boloo Vadooroo.
- 1877 Bunday Chettoo.
- 1878 Tellamurri do.
- 1879 Mamidce do.
- 1880 Navily do.

Caulapha, Exhibitor.

- 1881 Sheep Skin, As. 8.
- 1882 Calf's Skin, As. 12.

- 1883 Cow's Skin, Rs. 2-8.
- 1884 Bullock's Skin, Rs. 4.
- 1885 Buffaloc's Skin, Rs. 5.

Fackrodeen, Exhibitor.

- 1886 Goat's Leather, Rs. 3-8.
- 1887 do. do. Rs. 2.

Koodlaghee Tahsildar, Exhibitor.

- 1888 Tiger's Skin, As. 8.
- 1889 Deer Skin, As. 2.

Local Committee, Exhibitors.

- 1890 Six pairs of Soldier's Boots, Rs. 3-12.

Eeratha Carebasapha Setty, Exhibitor.

Silk and Cotton Clothes.

- 1891 Women Cloth with flowers in Lace, Rs. 27.
- 1892 White do. do. Rs. 25-8.
- 1893 Keroomunjec Silk, white do. Rs. 20.
- 1894 do. do. do. Rs. 20.
- 1895 Capalarung, white do. Rs. 18-4.
- 1896 do. Silk, white flowered Woman Cloth, Rs. 18-4.
- 1897 Red flowered do. do. Rs. 17.
- 1898 Keroomunjec Silk, black do. do. Rs. 15-8.
- 1899 do. do. Rs. 15-8.
- 1900 Lace Payetence do. do. Rs. 11-12.
- 1901 Gangunmall, red flowered do. do. Rs. 15-8.
- 1902 Red Silk, Women do. Rs. 16-8.
- 1903 Arabund Caparunel, black do. do. Rs. 7.
- 1904 Plain Black Chendracala do. do. Rs. 6-12.
- 1905 Caparunchoo Ghettyuenna do. do. Rs. 7-6.
- 1906 Red Boogadunchoo do. do. Rs. 4-12.
- 1907 Woman Cloth, black, Rs. 1-3-6.
- 1908 do. do. Rs. 1-3-6.
- 1909 do. do. Rs. 1-3-6.
- 1910 do. do. Rs. 1-3-6.
- 1911 Red Silk Madee, Rs. 11-8.
- 1912 Yellow do. do. Rs. 11-8.
- 1913 Blue do. do. Rs. 10-14.
- 1914 do. Silk Patee, Rs. 10-8.
- 1915 one Piece of Silk Cloth for Cholies for Women with white flowers and red borders containing 10 Cholies, Rs. 5-10-0.
- 1916 one Piece of Silk Cloth for Cholies for Women with white flowers and red boarders containing 10 Cholies, Rs. 5-4-0.
- 1917 one do. of silk do. do. 10 do. Rs. 11-1-0.
- 1918 one do. of Payatanee Patee, do. do. containing 7 Cholies Rs. 5-14-6.
- 1919 one do. of Black Chendracala do. do. containing 14 Cholies, Rs. 3-0-0.
- 1920 Placed Soosy, Rs. 2-10-0.
- 1921 do. do. Rs. 2-6-0.
- 1922 Trowsers do. black, Rs. 2-0-0.
- 1923 do. do. Rs. 2-0-0.
- 1924 do. do. Rs. 2-0-0.
- 1925 six Thread Cloth, white, Rs. 3-6-0.
- 1926 Black Paumedy Chintz, 16 cubits, Rs. 1-9-6.
- 1927 Red do. do. Rs. 1-11-0.
- 1928 do. do. do. Rs. 1-2-0.
- 1929 do. do. do. Rs. 1-6-0.
- 1930 Black do. do. Rs. 1-9-6.
- 1931 Brown do. do. Rs. 1-9-6.

Although silk is imported into this District, from the Mysore country; Silk Clothes are extensively manufactured in almost all the towns of Bellary.

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Sackeree Curdappa, Exhibitor.

- 1932 one Red Rayaloo Cotton Cloth, Rs. 1-14-0.
 1933 one Red Payetenee do. Rs. 2-0-0.
 1934 one Black do. Rs. 1-6-0.
 1935 three Cotton Carpets, at Rupees 1-2-0, each 4½ eubits long, Rs. 3-6-0.
 1936 three do. do. at Rupees 1-0-0, each 4 eubits long, Rs. 3-0-0.
 1937 three do. do. at 13 Annas each, 3½ eubits long, Rs. 2-7-0.
 1938 three do. do. at Rupees 0-6-6, each 3 eubits long, Rs. 1-3-6.

Local Committee, Exhibitors.

- 1939 two Pieces of Plad Soosy, black, 9 yards, each, at Rs. 2-6-0 per piece, Rs. 4-12-0.
 1940 six Pieces of Plad Green, 9 yards each, at Rs. 2-6-0 per piece, Rs. 14-4-0.
 1941 four Pieces of Trowsers Soosy, at Rupees 2-0-0 per piece, Rs. 8-0-0.

These are manufactured in the Bellary Cowle Bazar and are in great demand among the Europeans and East Indians residing here.

Kanoodakee Kumpiah, Exhibitor.

- 1942 two Cumblies, 7 × 3 at 3 Rs. each, Rs. 6.
 1943 two do. 7 × 2½ at Rs. 2-12 each, Rs. 5-8.
 1944 one do. course 7 × 3 Rs. 1.
 1945 two do. do. 5 × 2½ at 8 Annas each Rs. 1.
 Manufactured from Country Sheep Wool. The best and Water proof Cumblies are manufactured in this District for Order.

Adonie Tahsildar, Exhibitor.

- 1946 American Cotton.

Is cultivated to a limited extent, the crops being precarious. Value 3 Rs. per maund.

Local Committee, Exhibitors.

- 1947 Country Cotton.

The quantity of land cultivated in Fusly 1265 was 1,25,730 Acres liable to be assessed at Rupees 1,61,868, value Rupees 2-4-0 per maund.
 1948 Mirino Wool.

Nagojee, Exhibitor.

- 1949 Country Sheep Wool.

Mooneyapah, Exhibitor.

Woolen Carpets.

- 1950 Dr. Scott's Muster, 1½ yard square, Rs. 1-2.
 1951 Rev. Wardlow's Muster, 1. do. do. As. 14.
 1952 Bangalore Muster, 1. do. do. do. As. 12.
 1953 Mr. Ogilvie's Muster, 1. do. do. As. 12.

Venkatachellum, Exhibitor.

- 1954 Tandroya Setty's Muster, Rs. 1.
 1955 General Steel's Muster, Rs. 2-8.

The Exhibitors Mooneyapah and Venkatachellum, Carpet Manufacturers in the Town of Bellary; offer to manufacture Carpets, of any size, at the rates above mentioned.

Ram Row, Goomastah, Exhibitor.

- 1956 one box containing Bead Works.

G. Narrappa, Exhibitor.

- 1957 one black Cumbly.
 1958 one do. do.
 1959 one Cotton White Female Cloth with Silk and laced borders, Rs. 38.

Mullappa, Exhibitor.

- 1960 one red Silk Female Cloth with laced borders, Rs. 85.
 1961 one black Head Cloth with laced borders, Rs. 20.

C. Basappa, Exhibitor.

- 1962 one white Silk female Cloth called Tella-pooovoola chera with silk and laced borders, Rs. 95.

Tahsildar, Exhibitor.

- 1963 one white Silk Female cloth, Rs. 36.
 1964 one black do. do. Rs. 28.
 1965 one piece of White Silk Cholee Cloth with borders red, Rs. 2-8.
 1966 one do. do. Cotton, Rs. 2.
 1967 one do. called Roodralcheepatee, Rs. 2.
 1968 one do. called Pagadasalaindloo or chess board kind, Rs. 1-8.
 1969 one piece of Cholee called Pagadasalaindloo or chess board kind, Rs. 1-6.
 1970 one do. do. Patanehoo, Rs. 1-4.
 1971 one do. do. Rs. 1-3.
 1972 one do. do. Rs. 1-6.
 1973 one do. do. Rs. 1-4.
 1974 one do. Pagadasala Boottee, Rs. 1-2.
 1975 one do. Dagger edged plain cloth, Rs. 1-1.
 1976 one do. Green Cloth, As. 14.
 1977 one do. plain black, with red Silk borders, As. 12.
 1978 one do. black of chess board kind, As. 9.
 1979 one do. do. flowered, As. 13.

Fibres.

- 1980 Vendee Fibre.
 1981 Telladasanapa Chettoo Fibre.
 1982 Tippateaga do.
 1983 Nullaroo.
 1984 Madeechettoo do.
 1985 Yerra Dasanapa Chettoo Fibre.
 1986 Margosa Tree Fibre.

Cotton kind.

- 1987 Booraga Cotton.
 1988 Zilladoo do.
 1989 Jumboo do.
 1990 Condapindee do.
 1991 Jadaputtee.
 1992 Onions, red.
 1993 do. white.
 1994 Benzoin.
 1995 Green Stone.
 1996 White Stones, round.
 1997 two coloured Stone.
 1998 Brass Plate, seers 1½, As. 8.
 1999 Copper Plate, seers 1½, As. 8.

BELLARY.

Oils.

2000 Thorn Apple Seed Oil, Rs. 1.
 2001 Wild Mace Oil, Rs. 2.
 2002 Prooms Oil, Rs. 3.
 2003 Nutmeg Oil, Rs. 3.
 2004 Rumatill Oil, As. 12.
 2005 Wild Wargo Seed Oil, As. 8.
 2006 Saurell Seed Oil, As. 12.
 2007 Bitter Orange Oil, Rs. 2.
 2008 Orange Oil, Rs. 1 As. 4.
 2009 Kauttoopaugul Oil, As. 8.
 2010 Paugul Seed Oil, As. 12.
 2011 Hingan Seed Oil, Rs. 1 As. 12.
 2012 Peerkuneey Seed Oil, As. 12.
 2013 Lemon Seed Oil, Rs. 1 As. 4.
 2014 Citron Oil, Rs. 2.
 2015 Wild Almond Oil, As. 12.
 2016 Small Thorn Apple Oil, As. 12.
 2017 Cinnamon Oil, Rs. 1.
 2018 Indrojote Oil, Rs. 1 As. 8.
 2019 Ground Nut Oil, As. 8.
 2020 Koolunjun Oil, Rs. 1.
 2021 Pootrajeevy Oil, Rs. 1.
 2022 Cashoonut Oil, Rs. 1-8.
 2023 Marknut Oil, As. 8.
 2024 Khoobkala Oil, Rs. 1-8.
 2025 Staff Tree Seed Oil, Rs. 1-8.
 2026 Bauvoonjah Oil, Rs. 1-4.
 2027 Pinthink Seed Oil, Rs. 1-8.
 2028 Saraso Seed Oil, Rs. 4.
 2029 Pestunt Oil, Rs. 1-8.
 2030 Purging Seed Oil, Rs. 1.
 2031 Egg Oil, Rs. 1.
 2032 Walnut Oil, Rs. 1-8.
 2033 Anise Oil, Rs. 3.
 2034 Fennel Seed Oil, Rs. 2.
 2035 Cummin Seed Oil, Rs. 3.
 2036 Almoud Oil, Rs. 1.
 2037 Cucumber Seed Oil, Rs. 1.
 2038 Saraparoopoo Oil, Rs. 1.
 2039 Soapnut Oil, As. 8.
 2040 Water Melon, As. 12.
 2041 Cotton Seed Oil, As. 12.
 2042 Pumpkin Seed Oil, As. 12.
 2043 Kuekery Seed Oil, As. 12.
 2044 Mustard Seed Oil, As. 12.
 2045 Water Pumpkin Seed Oil, As. 12.
 2046 Poppy Seed Oil, As. 12.
 2047 Bees Wax Oil, Rs. 1.
 2048 Melon Seed Oil, As. 12.
 2049 Kaleyanah Pooseny Oil, Rs. 1-8.
 2050 Rose Oil, As. 8.
 2051 Jessamine Flower Oil, As. 10-6.
 2052 Sandal Oil, As. 12.
 2053 Coconut Oil in large bottle, As. 3-6.
 2054 do. do. As. 1-6.
 2055 Gingely Seed Oil, As. 1-6.
 2056 do. do. As. 4.
 2057 Castor Oil, As. 4.
 2058 do. do. As. 4.
 2059 Linseed Oil, As. 3.
 2060 do. do. As. 3.
 2061 do. do. As. 3.
 2062 do. do. As. 3.
 2063 Coosoom Oil, As. 1-6.

2064 Coosoom Oil, As. 1-6.
 2065 Elooppoo Oil, As. 2-6.
 2066 do. do. As. 2-6.
 2067 Poongan Oil, As. 1-6.
 2068 Poongan Oil, Rs. 1-6.
 2069 Margo seed Oil, As. 2-6.
 2070 do. do. As. 2-6.
 2071 $\frac{1}{2}$ Emery, country, As. 4.
 2072 Iron Ores Stone, As. 1.
 2073 Iron Ores Sand, As. 4.
 2074 Gum.
 2075 Gum Arabic, As. 6.
 2076 Karoovalum, P. 6.
 2077 Elava, As. 6.
 2078 Mooroongay, As. 6.
 2079 Mooroookum, As. 6.
 2080 Autty, As. 10.
 2081 Seroo Narooovooly, As. 6.
 2082 Tooganey, As. 6.
 2083 Soamey, As. 6.
 2084 Poovarasum, As. 6.
 2085 Vada Naroyanum, As. 6.
 2086 Kattoo Vogy, As. 6.
 2087 Auvaaururum, Rs. 1.
 2088 Vunny, As. 6.
 2089 Inknut tree Gum, As. 6.
 2090 Katheelah, As. 6.
 2091 Kondry, As. 6.
 2092 Soapnut tree Gum, As. 6.
 2093 Vell Vale, As. 2.
 2094 Marknut tree Gum, As. 6.
 2095 Margo tree Gum, As. 6.
 2096 Coongelihum, As. 1.
 2097 Selarasum, As. 5.
 2098 Dammer black, P. 6.
 2099 Baunimthy Bolum, As. 2.
 3000 Dekaumully, As. 1.
 3001 Ciundruss, As. 2.
 3002 Liqore Gum, As. 1.
 3003 Ravull hinnen, Rs. 1, As. 4.
 3004 White Rosin, As. 3.
 3005 Gunthafarozi, As. 3.
 3006 Room Musthkey, Rs. 1, As. 4.
 3007 Wild Soapnut, As. 6.

Fibres.

3008 Cocoa, As. 4.
 3009 Poolichay, As. 4.
 3010 Flax, As. 4.
 3011 Bendicoys, As. 6.
 3012 Chogah, As. 8.
 3013 Aloes, As. 8.
 3014 Toddy leaves, As. 2.
 3015 Caldeera, As. 8.
 3016 Innady, As. 6.
 3017 Arasay, As. 6.
 3018 Kull Alum, As. 6.
 3019 Allum, As. 6.
 3020 Mooroookum, As. 6.
 3021 Narooovooly, As. 6.
 3022 Tapasey, As. 6.
 3023 Atty, As. 6.
 3024 Autty, As. 3.
 3025 Karoovalum, As. 3.
 3026 Chuchanara.

CALCUTTA.

Joalla Singh Resident at Tattiara Re-Mohulla Rawalpindie Punjab, Exhibitor.

BACTRO-GREEK COINS.

- 9325 One Euthedimas silver tetra-drachm Rs. 20.
 One Do. without name Rs. 5.
 One Antiokos silver tetra-drachm Rs. 20.
 Two Do do small each Rs. 6.
 One Eukratidas do very small Rs. 3.
 One Do do a little larger Rs. 3.
 One Heliokles small silver naked head of Jupiter.
 Four Menander silver drachmas each Rs. 3 Rs. 12.
 Two Apollodotos square silver drachmas each Rs. 3 Rs. 6.
 One Do circular silver drachmas Rs. 3.
 One Do square copper large Rs. 2.
 One Do do do Rs. 1.
 Nine Azas silver one drachma do each 3 Rs. Rs. 27.
 One Do Copper Rs. 3.
 One Azilizas silver one drachma
 One Do Copper good.
 One Do Copper good.
 One Manas silver one drachma do good valuable Rs. 3.

One Do. Elephant's head caduceus
 One Uncertain Silver one drachma Rs. 3.

One Ippostratos Silver tetra-drachm good Rs. 12.

One Do do do Rs. 20.

One Do do do very good, Rs. 12.

One Antialkeidas do Rs. 3.

One "Senatus populus-que Romanus" Rs. 3.

Three Barbarous do.

One Judo—Mohomendun silver Rs. 2½.

GOLD.

One Kikorano large gold Rs. 36.

One Russian (seemingly small gold) Rs. 10.

9326 Seventy-three Copper Coins.

Forty-two do } names unknown
 Nine gold do }

C. H. Browne, Esq., Exhibitor.

8405 Three Samples of Stick Lac with specimens of Lac dye, Shell Lac and Seed Lac prepared from each.

8406 One Sample of Banda Cotton.

8407 One do of Borax.

8408 One do of Pure Tincal.

8409 One do of Iron ore.

8410 Two do Coal from Padree mine.

8411 Two Carpet Rugs made at Mirzapore.

CEYLON.

E. Rawdon Power, Esq., Exhibitor.

- 2320 One parcel containing a variety of articles from the Royal Botane Gardens Peradenia near Kandy.
- 2321 One Kandyan mat,
- 2322 One Ivory Elastic Tube or bottle,
- 2323 One Bark Bag used by the Kandyans to carry paddy &c,
- 2324 One Ivory Dagoba,
- 2325 One Small box of Ceylon Pearl Oyster shells of different ages,
- 2326 One Carved Cocconut shells
- 2327 One Ivory figure of Budhao,
- 2328 Three Kandyan canes
- 2329 Two Small Kandyan Priests fans.

Miss Eliza Agnew, Contributor, made by the Girls' in the American Mission, Boarding School, at Jaffna.

ANTI-MACASSARS, MADE OF JAFFANA COTTON.

- 5292 Queen Victoria Pattern made by Edna S. Newell Rs 7.
- 5293 Prince Albert do do do do Rs. 7.
- 5294 Uncle Tom and eva do Mary Raymond Rs. 7.
- 5295 My Pet do Edna S. Newell Rs. 7.
- 5296 Wild Flower do Susan Kiltledge Rs. 7.
- 5297 Lord Nelson do Anna Ross Rs. 8.
- 5298 Puss do Mary Odiorne Rs. 6.
- 5299 Abraham do Eunice Payson Rs. 5.
- 5300 Gnapevine do Sarah L. Dodd Rs. 6.
- 5301 Daniel do Augusta Duffield Rs. 7.
- 5302 Puss do Jane Danrers Rs. 5.

Anti-Macassars, made of English Cotton.

- 5303 Lord Nelson Pattern As. 9.
- 5304 Duke of Wellington do { Rs. 9.
- 5305 Wetroom sweet babe do { B. King. } Rs. 2.
- 5306 Cheque Work do { Rs. 4.
- 5307 Splendid Peacock H. Holdemn not for sale.
- 5308 One Rack Crystal Stone Rs. 2000.

CHINGLEPUT.

Assistant Surgeon J. Ratton, Exhibitor.

GUMS.

- 487 Margosa Vapumarum (plentiful.)
- 488 Moringa (plentiful.)
- 489 Vayngie Marum.
- 490 Do (a Smaller Tree with thorns)
- 491 Pumplemose.
- 492 Wooddia Marum.
- 493 Kattoowally (plentiful.)
- 494 Karroovelum. Gum Arabic Tree. (Indian) used by the Natives for Toothache and strengthening the gums.
- 495 Peevelum. Said to be plentiful in other parts of the district.
- 496 Mango Tree.
- 497 Kattoo Mangoy (plentiful.)
- 498 Marecmangoy. A very clean gum - exudes plentifully from the Tree—but not many trees in this neighbourhood.
- 499 Cotton Tree large.
- 500 Vullum Marum (Wood apple.) Gum Arabic country (plentiful)
- 501 Cottee Vullan Plentiful—equal to the country gum Arabic.
- 502 Vanday Narainay Marum. In small quantity. The Bark purgative.
- 503 Pinnay Marum (plentiful) Gum Risen.
- 504 Nella Moorookay. Very astringent—used by the Natives in Diarrhæa. A Jungle Tree. (Resin much like Rins.)
- 505 Orange Tree.
- 506 Avathy Marum. Very astringent, used by the Natives in Diarrhæa. Obtained only in small quantity. (Gum Resin)
- 507 Ccvalay Marum. Very fine gum.
- 508 Avaray. Collected from the root, scarce—very cooling much esteemed by the Natives in heat of the body and and Gonorrhæa. (Gum Resin)
- 509 Elandie Marum.
- 510 Moondri Marum.
- 511 Kallinore.
- 512 Pana Marum.
- 513 Thoombeeree Marum.
- 514 Sarancottay.
- 515 Kattoopachalum.
- 516 Kattooporsan.
- 517 Cumbee. Resin does not dissolve in water, exudes from the leaves obtained only in small quantity a small quantity only exuding on the points of the buds. A shrub 4 feet in height; leaf like the Guava. Applied to the head for headache. A good scent when burnt dry over on Iron.
- 518 Vilvay Marum. The tree resembles to wood apple tree. The fruit very astringent; used for Diarrhæa. It has small sharp thorns over its branches.

- 519 Paderee. A high tree, branches like the Silk Cotton, leaves ash coloured.
- 520 Pareeya. A good gum; a large jungle tree.
- 521 Vunnee. A large and small jungle tree.
- 522 Karooncauley. A large jungle tree.
- 523 Thillay. A large Tree, exudes as milk; very stimulating—especially when fresh—it excoriates the part applied to and blister it. Good in Rheumatism, but diluted with Oil.
- 524 Samparoothee.
- 525 Cuddulpungun. A large jungle tree. Grows near the sea shore.
- 526 Paroolaw. A large jungle tree.
- 527 Thance. Used for Dysentery.
- 528 Marooday. Do.
- 529 Chellumba. Used for Medical purposes.

FIBRES.

- 530 Kattookathalay.
- 531 Bramarakhasi.
- 532 Seemay kathalay.
- 533 Yercum Madar.
- 534 Pana.
- 535 Talay.
- 536 Valay.
- 537 Annasee.
- 538 Taynga.
- 539 Sapatoo.
- 540 Kaserika.
- 541 Narroovallay.
- 542 Vittie Vayr.
- 543 Payr Eatsum.
- 544 Kacah poondoo.
- 545 Kachpoondoo.
- 546 Murrell Muttay.
- 547 Thoothee.
- 548 Paklay.
- 549 Valei Tundoo.
- 550 Koorinjah.

IRON ORES.

- 551 Central part of a large Natural Magnet the Poles being in its transverse diameter.
- 552 Massive Oxydulous Iron Ore Magnetic with Polarity very rich.
- 553 Oxydulous Iron Ore with Manganese Magnetic with Polarity Valuable the best Iron for making steel.
- 554 Iron Ore and Manganese generally termed Iron Slag.
- 555 Tale in Quariz and Clay.
- 556 Straw Platting.
- 557 Payr Eatsum.
- 558 Saday Shola.
- 559 Vurrell Vittie Vayr.
- 560 Arisee.
- 561 Panna.
- 562 Taylay.

Assistant Surgeon J. Ratton, Exhibitor,

SAMPLES OF COTTON.

- 563 Yercum or Mudar.
 564 Ootahmenay or Cotrum.
 565 Mudar Cotton, and country equal parts.
 566 Thread from the same.
 567 Silk Cotton, and Country Cotton equal parts.
 568 Thread from the same.
 569 Mudar Cotton Silk Cotton, each 1 part Country Cotton 2 parts.
 570 Thread from the same Table napkins
 571 } Damask and Birds eye patterns.
 572 }
 573 Four samples of Mudar, and Silk Cotton.
 574 Thread Mudar Cotton and Silk Cotton equal parts.
 575 Samples by weight, from a single Pod of Mudar, Silk and Country Cottons.
 576 A Silk Cotton Pod.
 COTTON.
 577 Sample of filaments from the Stem of the "Nelumbium speciosum" or the sacred Sawmery Plant.

Bava Saib Exhibitor.

WET GRAINS.

- 578 Soogathasoo Paddy.

Paupy Reddy Exhibitor.

- 579 Seven Sumbah.

Putchayappa Moodelly, Exhibitor.

- 580 Thooyamullee Sumbah.

Comarasawmy Moodelly, Exhibitor.

- 581 Chinna Sumbah.

V. Streenevasa Iyengar, Exhibitor.

- 582 Seroomane Sumbah.

Venkata Reddy, Exhibitor.

- 583 Codum Sumbah.

Kristnama Charry, Exhibitor.

- 584 Palun Sumbah.

Coomarasawmy Moodelly, Exhibitor.

- 585 Manavary.

Chingulput Reddy, Exhibitor.

- 586 Vadacathee Sumbah.

Narayana Naick, Exhibitor.

- 587 Kaloovan Sumbah.

Bava Saib, Exhibitor.

- 588 Peroom Sumbah.

Venkoovier, Exhibitor.

- 589 Mosonum.

Cundasawmy Moodelly, Exhibitor.

- 590 Cooroomben Sumbah.

Nynatha Moodelly, Exhibitor.

- 591 Nereemeleeso Sumbah.

Iyasawmy Pillay, Exhibitor.

- 592 Morun Sumbah.

Nullatha Moodelly, Exhibitor.

- 593 Bangalore Sumbah.

Tandavaroya Moodelly, Exhibitor.

- 594 Pochaly Paddy.

Ragaviengar, Exhibitor.

- 595 Vellakoor Sumbah.

Patchayappa Moodelly, Exhibitor.

- 596 Cavoo Paddy.

Venkoovier, Exhibitor.

- 597 Manacatha Paddy.

- 598 Pichavery.

Suttcanatha Butten, Exhibitor.

- 599 Paroonkar.

Ragava Charry, Exhibitor.

- 600 Vellamanakatha Paddy.

Vencatarama Pundit, Exhibitor.

- 601 Moctacar.

Abba Saib, Exhibitor.

- 602 Elooppapoo Sumbah.

CHINGLEPUT.

Veerasawmy, Exhibitor.

603 Sumbala Paddy.

Vencatachella Pillay, Exhibitor.

604 Canacum Sumbah.

Vencatachella Moodelly, Exhibitor.

605 Seeroo Moosanum.

Moottoosawmy Naick, Exhibitor.

606 Cadoo Calathan.

Aroonachella Chetty, Exhibitor.

607 Palavay Sumbah.

Vencatachella Naick, Exhibitor.

608 Poongar.

Ramanooja Iyengar, Exhibitor.

609 Arinjothee.

Coopoo Gounden, Exhibitor.

DRY GRAINS.

610 Thanay Grain.

611 do

Ramakistna Iyer, Exhibitor.

512 Shama Grain.

613 Cooroovarogoo.

Soobbier, Exhibitor.

614 Vellavaroogoo.

Veerasawmy Moodelly, Exhibitor.

615 Varoogoo.

Coopoosawmy Iyer, Exhibitor.

616 Parooncumboo.

Streenevasa Vardacharry, Exhibitor.

617 Pottoo Cumboo.

Paupy Reddy, Exhibitor.

618 Cumboo.

Rungasawmy Moodelly, Exhibitor.

619 Caroonsoorootty Raggy.

Vathachella Moodelly, Exhibitor.

620 Velly Soorootty Raggy.

Paupy Reddy, Exhibitor.

621 Yellow Cholum.

Davunnun, Exhibitor.

622 Red Cholum.

Soobroya Gounden, Exhibitor.

623 Alunkara Cholum.

Davunnun, Exhibitor.

624 Green Gram.

625 Black Gram.

626 Bengal Gram.

627 Toolooka Gram.

628 Horse Gram.

629 Caramany Gram.

630 Mochacottay Gram.

Comarasawmy Moodelly, Exhibitor.

SEEDS.

631 Gingely oil seeds.

632 Lamp oil seeds.

Veerasawmy Reddy, Exhibitor.

633 Elooppa seeds.

Ramanatha Moodelly, Exhibitor.

634 Dholi Gram.

Davunnun, Exhibitor.

635 Oolundoo.

Mcoothun, Exhibitor.

636 Grass Rice.

Narasimma Naick, Exhibitor.

637 Flat Red Beads.

Soondarier, Exhibitor.

638 Indigo seeds.

Rajunnen, Exhibitor.

639 Brimmathundoo seeds.

CHINGLEPUT.

Moothun, Exhibitor.

640 Ally seeds.

Cundapa Naick, Exhibitor.

641 Margosa seeds.

Narasimma Exhibitor.

642 Round Red Beads.

Patchayappa Moodelly, Exhibitor.

643 Cotton seeds.

644 Chillies.

Vadachella Moodelly, Exhibitor.

645 Pinnay cottay seeds.

646 Yettee seed.

G.Chengunnah Sastry, Exhibitor.

647 Avoottee seeds.

Moothun, Exhibitor.

GUMS.

648 Margosa.

649 Wild apple tree.

650 Mooronga tree.

651 Mooroocon tree.

652 Othea tree.

653 Baubool tree.

654 Lime tree.

Ragava Charry, Exhibitor.

655 Sealing wax.

Ragava Naick, Exhibitor.

656 Mango tree.

657 Wood apple.

Patchayappa Moodelly, Exhibitor.

OILS.

658 Lamp

659 Gingelly.

Cundapah Naick, Exhibitor.

660 Margosa.

Patchayappah Moodelly, Exhibitor.

661 Elooppa.

Rajannun, Exhibitor.

662 Dittora oil.

Yanadies, Exhibitor.

DYING MATERIALS AND MEDICAL ROOTS.

663 Auvarum.

Esmail Khan, Exhibitor.

664 Chembooranputtay.

Yanadies, Exhibitor.

665 Chey root.

666 Easwara root.

667 Sarsaparilla.

668 Vishabootthy.

669 Soorool cheecay.

Moothun, Exhibitor.

670 Cuscus.

Teroovengada Moodelly, Exhibitor.

671 Mooloocarany root.

Moothun, Exhibitor.

672 Corakilungoo.

673 Cattoo Caranay.

Sashadry Iyengar, Exhibitor.

674 Turmeric.

Veerasawmy Iyengar, Exhibitor.

675 Chapunkelungoo.

Oosman Khan, Exhibitor.

676 Ahasagaroodun.

Moothun, Exhibitor.

677 Boochuckra.

Anuntha Charry, Exhibitor.

678 Amcokoonakelungoo.

Comarasawmy Moodelly, Exhibitor.

679 Thunnymoottan kelungoo.

Valayootha Moodelly, Exhibitor.

680 Maroovun kelungoo.

Moothun, Exhibitor.

681 Palmira kelungoo.

682 Paroon kelungoo.

683 Norah root.

684 Chittra Moolum.

685 Conjee root.

Oosman Kahn, Exhibitor.

686 Vuttatheroopee.

Appasawmy Moodelly, Exhibitor.

687 Pambookelacoy.

Moothun, Exhibitor.

688 Chengum root.

689 Poonacanjee root.

Teroovenguda Moodelly, Exhibitor.

690 Chitta Mootty.

691 Para Mootty.

Veerasawmy Moodelly, Exhibitor.

692 Nelavemboo.

693 Nunjee Moorithun.

Moothun, Exhibitor.

694 Poonul Thundoo root.

Thandavaroyen, Exhibitor.

695 Vurtungee root.

696 Vistungee root.

Moothun, Exhibitor.

697 Carevaluncoy.

Teroovangada Moodelly, Exhibitor.

698 Mooroola root.

Anuntha Charry, Exhibitor.

699 Nellapanum kelungoo.

Oosman Khan, Exhibitor.

700 Sevadoo kelungoo root.

Comarasawmy Moodelly, Exhibitor.

701 Wild onions.

Moothun, Exhibitor.

702 Thaleecodoocookoy.

Moothun, Exhibitor.

Roots.

703 Colloocavady.

Ootoocathan, Exhibitor.

704 Cattoo carany.

705 Savere palum.

Wijoonan, Exhibitor.

706 Fig fibres root.

Abdool Cawder, Exhibitor.

707 Sattana root.

Kistnen, Exhibitor.

- 708 Chouri root.
 - 709 Oosiyellacoody.
 - 710 Adundum.
 - 711 Neermullee.
 - 712 Red Mollana.
 - 713 Thootivare.
 - 714 Codoocepulle.
 - 715 Mangavaputta.
 - 716 Rattan Root.
 - 717 Ootamany.
 - 718 Belvavaroo.
 - 719 Moorooocum.
 - 720 Toolooocuttan.
-

Moothun, Exhibitor.

- 721 Modacathan.
 - 722 Canjancoray.
 - 723 Thoodooruttee.
-

Dasen, Exhibitor.

- 724 Moosee Moosee.
-

Moothun, Exhibitor.

- 725 Catta Amencan.
 - 726 Mookarata.
 - 727 Yettee.
 - 728 Caladapaul.
 - 729 Nochilli.
 - 730 Colloocavada.
 - 731 Cautoovelli.
 - 732 Thagara.
 - 733 Maracallan.
 - 734 Tholasee.
-

Ponnun, Exhibitor.

- 735 Mooccatar.
 - 736 Munjum grass.
 - 737 Varamoollee.
 - 738 Veloodi.
 - 739 Caringumba.
 - 740 Velaver.
 - 741 Pyreemoolli.
-

Ootoocathan, Exhibitor.

- 742 Keelanellee root.
- 743 Vella yarkan.

- 744 Vishnoo Cranthi.
 - 745 Vella Sarvalla.
 - 746 Kela root.
 - 747 Nayaroovi.
 - 748 Vaniumt.
-

Dasen, Exhibitor.

- 749 Oralla Thambara root.
-

Ponnun, Exhibitor.

- 750 Seeroocooringan.
-

Kistnen, Exhibitor.

- 751 Panum.
 - 752 Grass.
-

Paupy Reddy, Exhibitor.

FIBRES.

- 753 Palmira.
 - 754 Hemp or Cachekooca.
-

Ponnun, Exhibitor.

- 755 Thalum.
-

Streenevasa Iyengar, Exhibitor.

- 756 Goja fibres.
 - 757 Cocoanut fibres.
-

Mooneappa Chetty, Exhibitor.

- 758 Januppa.
-

Ramun, Exhibitor.

AGRICULTURAL IMPLEMENTS.

- 759 Wood chopper.
- 760 Sickles.

Narain Chetty, Exhibitor.

EARTHS, &c.

- 761 White Clay.
762 do do Mould.
763 Pipe Clay.
764 Bangles (earthen)
765 Green Clay Mould.

Sashachellum, Exhibitor.

MANUFACTURES.

- 766 Square Bricks.
767 do do 2nd sort.
768 Well Bricks.
769 Black stones.

Soobramanea Achary, Exhibitor.

NATIVE HOUSEHOLD UTENSILS.

- 770 Bronze Goglet.
771 do Cups.
772 Brass Lamps.
773 Bronze Tumball.

Tandavamoorty Moodelly, Exhibitor.

CLOTHS.

- 774 Man's Cloth.

Rungappa Chetty, Exhibitor.

- 775 Woman's lace cloth.

Vurduppa Chetty, Exhibitor.

- 776 Woman's Black cloth.

Vencatarama Chetty, Exhibitor.

- 777 Woman's Black cloth.

Moonesah, Exhibitor.

- 778 Woman's lace Cloth.
779 Muslins.
780 Threads of different colours.

C. Runga Charloo, Exhibitor.

- 781 Man's Cloth.

Streenevasa Iyengar, Exhibitor.

MANUFACTURES.

- 782 Hempen ropes.

Putcheappah, Moodelly, Exhibitor.

- 783 Palmira rope.

Streenevasa Iyengar, Exhibitor.

- 784 Cocoonut Fibre rope.

Mooneappah Chetty, Exhibitor.

- 785 Gunnes.

Salar Saib, Exhibitor.

- 786 Mat 1st sort
787 do 2nd do
788 do 3rd do
789 do 4th do

Cauder Saib, Exhibitor.

HORNS, SKINS.

- 790 Tanned Skins

Meera Pilla Lubbay, Exhibitor.

- 791 Tanned Skins.
792 Bisons Horns.

Vencata Reddy, Exhibitor.

MISCELLANEOUS PRODUCTS.

- 793 Palmira Jaggery.

Patcheappa Moodelly, Exhibitor.

- 794 Cane Jaggery.

Paupy Reddy, Exhibitor.

- 795 Indigo.

CHINGLEPUT.

Aroomooga Moodelly, Exhibitor.

796 Salt.

Co morasawmy Moodelly, Exhibitor.

797 Cotton.

Patcheappa Moodelly, Exhibitor.

798 Tobacco.

Yanadies, Exhibitor.

799 Honey.

Runga Charloo, Exhibitor.

800 A collection of samples of Paddy and Dry Grains.

801 A collection of gums from different trees.

802 A collection of earths and Rocks.

803 A collection of roots and herbs.

804 A collection of Medicines used by Native Doctors.

Mr. Fitzgerald, Exhibitor.

805 Tripple plough.

Aroonagery Achary, Exhibitor.

806 Model of Water Pump.

Appavoo, Exhibitor.

807 Specimens of Pottery.

MoonesawmyChetty, Exhibitor.

808 Palumpore.

809 Handkerchiefs.

Runga Charloo, Exhibitor.

810 Collection of dying materials.

Mr. T. Brass, Exhibitor.

811 Coffee.

Runga Charloo, Exhibitor.

812 Indigo.

Mr. Fitzgerald, Exhibitor.

813 Merino wool.

814 Cotton.

Armooga Moodelliar, Exhibitor.

5308 Merino wool, ash colour.

5309 Do. Yellow

OILS.

5310 Oils extracted from Pinnay seeds.

5311 Poongum.

5312 Ground nuter Vercadali.

5313 Cocconut.

5314 Elooppa.

5315 Gingly.

5316 Margosa.

5317 Honey.

SEEDS.

5318 Poongum cottay.

5319 Pinna cottay.

5320 Moonderi.

5321 Red beads.

5322 Bromadundi.

GUMS.

5323 Moonderie.

5324 Margosa.

5325 Wood Apple.

5326 Mooroonga.

5327 Malavelungum.

5328 Culnar or mineral substance.

5329 White sand.

5330 Black sand.

5331 Plaster of Paris.

5332 Chittian Rock.

5333 Paramootti Root.

5334 Chittamootti do.

5335 Tunnimoottan kelungoo do.

5336 Paroon kelungoo do.

5337 Amookoonan kelungoo do.

5338 Nelapanun kelungoo do.

5339 Chittramoolum do.

5340 Saraparilla do.

5341 Cuscus do.

5342 Sembooram Book.

5343 Cocconut fibres.

5344 Ahthy do.

5345 Naroovaly do.

5346 Hemp do.

5347 Thauly do.

5348 Palmira do.

5349 Aloe do.

5350 Cocconut with fibres.

5351 Large Cocconuts without do.

5352 Small do do.

5353 Cocconuts Jaggery

5354 Palmira Rope.

5355 Earths Red.

POTTERY.

5356 Flour Pot.

5357 do do.

5358 do do.

5359 do do.

5359½ do do.

W. Dowdeswell Esq., Exhibitor.

- 8004 1 Large Loom.
 8005 1 Warping Machine.
 8006 Damask Table Cloth 7 feet Rs. 4.
 8007 $\frac{1}{2}$ Dozen fine Towels at 4 Rs. per Dozen Rs. 2.
 8008 Birds Eye Table Cloth 9 feet Rs. 5 each.
 8009 Course Towels $\frac{1}{2}$ Yards by 1 Yard at 6 Rs. per dozen.
 8010 Bengal Pattern, Towels $1\frac{1}{2}$ by 1 Yard at 6 Rs. per dozen.
 8011 16 Inches Birds Eye Napkins at Rs. 1-2 per dozen.
 8012 19 Inches Damask Napkins at Rs. $1\frac{1}{2}$ per dozen $1\frac{1}{2}$
 8013 20 Inches Damask Napkins at $2\frac{1}{4}$ per dozen $2\frac{1}{4}$.
 8014 22 Inches Birds Eye Napkins at Rs. $2\frac{1}{4}$ per dozen.
 8015 10 Yards of Blue Drill at 8 Annas per Yard 10-3 $\frac{1}{4}$.
 8016 12 Yards of Blue Checked Drill at 8 Annas per Yard.
 8017 Damask Table Cloths 7 feet square at Rs. 4 per each.
 8018 Birds Eyes Table Cloth 9 feet square at 5 Rs. each.
 8019 Bengal Pattern Towel $\frac{1}{2}$ a dozen at Rs. 6 per dozen.
 8020 Course Towels $1\frac{1}{4}$ Yard by 1 yd. at Rs. 6 per dozen.

PLATFORM SCALE COMPLETE.

- 8021 Fine Towels at Rs. 4 per dozen.
 8022 Birds Eye Napkins at Rs. 1-2 per dozen.
 8023 19 Inches Damask Napkins at Rs. 1 per dozen.
 8024 20 Inches Damask Napkins at Rs. $2\frac{1}{2}$ per dozen.
 8025 28 Inches damask Napkins at Rs. $2\frac{1}{2}$ per dozen.
 8026 20 Inches Birds 1 Eye Napkins at Rs. $2\frac{1}{2}$.

FIBRE ROPES.

- 8027 $\frac{1}{2}$ Yards of Plush fibre.
 8028 do do do.
 8029 $6\frac{1}{2}$ do do do.
 8030 $\frac{1}{2}$ Yards of the case fibre.
 8031 1 Common aloe Rope.
 8032 2 Imitation Rope.
 8033 do do.
 8034 do do.

- 8035 Imitation Rope.
 8036 do do.
 8037 do do.
 8038 do do aloe fibre prepared.
 8039 do do raw material.
 8040 10 Plantain
 8041 11 Rope of aloe fibre.
 FIBRES.
 8042 Rosold fibre.
 8043 Forcriya Gigantin Farceyrd Gigastea
 8044 Plantain Fibre.
 8045 Aloe do.
 8046 40 Rolers with thread for working machine.
 8047 10 Small Rolers for Thar Coorchie and Nadah.
 8048 1 Iron Wrench.

Local Committee, Exhibitors.

- 8049 Soap nut.
 8050 Saltpetre.

J. A. Ratten Esq., Contributor.
 Manufactures Exhibitor, Messrs, Thresher and Glanny, London.

- 8051 Blue Tweed.
 8052 Grey do.
 8053 Light Grey do.
 8054 Red do.
 8055 White do.

Ramasawmy, Exhibitor.

- 8701 Silk thread yellow colour 3 Pols Rs. 1-11.
 8702 Do. do Red do $2\frac{1}{2}$ Pols. Rs. 1 As. 4-3.
 8703 Do. do White do do Rs. 1 As. 4-3.
 8704 Do. do Green do do As. 2 3.
 8705 Do. do Black do $\frac{3}{4}$ Pols. Rs. 6 As. 10.

G. Narrainasawmy Chetty, Exhibitor.

- 8706 Thread died with red colour by Cheyroot 8 Pols. Rs. 2.
 8707 do do by nonali root 7 Pols. Rs. 1-2
 8708 do do by Indigo 8 Pols. Rs. 1.
 8709 do do Green Colour 8 Pols. As. 1.

Sabapathy, Exhibitor.

- 9028 Brazier Rs. 28.

CHINGLEPUT.

DR. RATTON OF CHINGLEPUT IN FORWARDING SAMPLES OF COTTONS, FIBRES,
ETC. REMARKS AS FOLLOWS.

I have herewith the honor to forward you, as per List attached, certain samples of Cotton and Cotton thread, the produce of the "*Calatropis Gigantea*"—together with correspondence relative to this produce, with Messrs. Thresher and Glenny, the well known London Outfitters, and hosiery, Manufacturers. The above samples being duplicates of those forwarded at the request of the Firm to their address by the present Overland Mail.

It will be in your recollection Sir, as well as that of the Right Honorable the President, that I first exhibited this Cotton at the Agricultural Exhibition—held at this Station in April last. Impressed then with the value of this neglected material, and confirmed in my own views by your notice of it—and the notice of the Right Honorable the Governor—I lost no time in sending a small sample through my Brother to Messrs. Thresher and Glenny; the result of which is their very satisfactory letter now before you, accompanied by an order for 25 lbs. of the Raw Material, and 3 lbs. of it variously spun. The lively interest which these Gentlemen express in using their best endeavours to develop the capabilities of this material, leaves nothing to wish for on that score; and renders certain that its commercial value will in their hands be brought to the test of experiment. It is also most gratifying to myself that I have secured their co-operation, and will, I believe, be equally so to the Committee. It will likewise be observed that by the accompanying samples I afford the Committee the guarantee of its being a produce likely to become of much commercial value, and it will remain for the Committee to endeavour to procure its due development in this country, in time to place their results at the forthcoming Exhibition beside those which will be received from Messrs. Thresher and Glenny.

It might have suggested itself to me as a matter for prudent consideration, whether I should now address you these limited, though truly gratifying results, or using the privilege of reserving till a later period, the knowledge I had acquired, secure to myself more time for further quiet experiment, and appear to greater advantage as an Exhibitor in 1857. By the former course I believe I have chosen that which will more nearly meet the wishes of the Right Honorable the President and Committee, which is doubtless, that the greatest publicity should be given to every matter which, like the present, promises to become a new source of produce, and manufacture, and thereby afford an opportunity for that very competition, which is so desirable to elicit the resources of the country, and is indeed one of the chief ends of these Exhibitions. To this end I have moreover placed myself in communication with an eminent Cotton Manufacturing Firm at Pondicherry—and have availed myself of the kind permission of the Judge at this station, to use the Looms for trials of this material; which has afforded me the immediate opportunity of so far testing its value, as we see it exhibited in the accompanying sample of Table Napkins. I would now suggest that it would be very desirable for Collectors to be requested to lend their aid to make this material known in their respective Districts, and to encourage Native Manufacturers to experiment with it, in view to sending their results to the Exhibition, and probably it would be convenient that they should be furnished with a copy of this communication, and its accompanying correspondence, for their information.

I do not consider it necessary to make this a lengthy communication by dwelling much upon the plant; but will rather, to avoid repetition, direct attention to what I say of it in my letter to Messrs. Thresher and Glenny adding only a few words respecting some of its more striking features—leaving to yourself Sir, who are so eminently qualified, to give a practical working to what I have now only the honor to lay before you.

The "*Calatropis Gigantea*," Mudar of Beugal, or Yereum of this Presidency, is a plant too common and too well known to require from me a special description—yet we must now in reference to its heretofore totally neglected Cotton, view it in that light in which it will probably, for the

future, stand as an adjunct to the staple manufactures of this country—and thus seek to ascertain so far as our imperfect information for the present admits of, what may be its probable commercial value in view to its cultivation, should the results of these first experiments, as we anticipate seeing them at the Exhibition, render this desirable. It arises in a clump, from several stems, numbering in a healthy full sized plant from 15 to 20, and attains in this part of the country a height of 4 feet. These stems are dichotomous, separating, and again subdividing into from 60 to 100 shoots, which within a few inches of their extremities give off 5 or 6 collections of blossoms affixed to a common foot stalk—the whole forming a compound flower head. Each of these separate collections of blossoms averages from 20 to 30—so that the whole flower head on each stem may be seen covered with from one to two hundred blossoms. It is not of course to be inferred that these all reach to maturity—on the contrary a great part wither and fall off. Still it is evidently extremely prolific. Such a plant presents a mass of flowers from 300 to 400, bearing from 6,000 to 10,000 blossoms; and covers a space of about 5 feet square. It is perennial, and to be seen the year round covered with blossom and fruit. The fruit is a pod, which dehisces as it ripens, letting fly out the cotton like substance attached to and carrying with it the seeds. A ripe pod yields an average weight of 17 grains of cleaned cotton—which is the same weight as is yielded by the pod of the "*Gossypium herbaceum*, or *Indicum*." The common Cotton of India—that used in these experiments. The pod of the "*Bombax pentandrum*" or silk cotton yields one and a half dram or 90 grains.

On dehiscence of the fruit pods, the seeds from 200 to 300 in number are seen when thus ripened of a dark or nearly black colour lying together with their hairy attachments in two lateral bundles, appressed, overlapping each other in regular curved rows, the same as bracts in the fir cone. They are adherent through their hairy attachments to a central placenta, from which under the action of the sun's rays as their moisture becomes evaporated, they become disengaged, and are thus in bundles wafted through the air in snowy flakes, to disseminate themselves throughout the country. The pods are necessarily gathered just before they open. When ripe and strewn in the sun, they open within an hour or two. This is hastened by touching them occasionally with the hand.

This plant requires no particular soil. It is seen growing on sandy, stony, poor, and waste lands; on the road sides, old walls, ramparts, ditches, and every piece of ground where it is permitted to grow: for viewed as a useless plant, it is every where cut down, when the land is required for cultivation. It is also met with in rich soil, such as the ridges and corners of paddy fields. It thrives in the Mysore country, as I was particularly struck with its great size and luxuriant appearance, seen growing on the road sides.

One striking advantage relative to this plant, should it become a subject of future interest for the Manufacturer—is, that all waste lands become thus available for its growth. In this very district—miles of waste land, common, by the hill sides, and around the tanks, could be thus rendered available. It is indeed questionable if there is another plant in India that would grow with less trouble, not to dignify it with the term of cultivation. After being planted out, it would require no further attention. It can be propagated by cuttings, or roots; or by the seed, as it so plentifully propagates itself. It would almost seem indestructible, for nothing but rooting it out will destroy it. Within a week after being cut down, it is seen growing up again, and if undisturbed for 2 months, will be as strong as at first, bearing both blossoms and fruit. From what I have been able to observe of this plant, I am inclined to believe that it would thus grow to maturity 4 times during the year, were it as frequently cut down. This may have a bearing also upon its value, as regards the bark, for its fibres, as a material for cordage as now employed, or at a later period possibly for weaving cloth. What might be the effect of cultivation properly so called, of the plant, as respects the size of its fruit, and the length and strength of its staple, yet remains for experience to determine. Were we to judge from analogy, we observe that cotton is greatly modified by soil, climate, and culture—so that the same cotton which produces a long and fine staple in one soil—removed to an inferior one, is found to become so altered, as not to become identified as the same. These remarks may afford for the moment data upon which to form some idea as to its growth, and productiveness, utility of cultivation, and cost of produce, compared with Cotton. This is a wild plant, that does not look for moisture—Cotton requires a good soil, and irrigation. Hence it may it would seem be profitably introduced as an adjunct to Cotton.

I also beg to direct the attention of the Committee to the samples of Silk Cotton.

One great advantage which presents itself in these early experiments, is the ascertained fact, that two new materials, are now introduced into useful manufacture, the Mudar, and the Silk cotton. The latter, as the Committee are aware, has up to the present been used only for stuffing

pillows, couches, &c. It is here shewn to be capable of being spun when mixed with equal parts of cotton, into a useful thread. Sample No. 2, or mixed in other proportions with it and Mudar cotton, seen in sample No. Even these two materials mixed in equal proportions, become capable of being spun into a thread that permits of being wove in the web, seen in samples No. 4, though too weak to be practically useful for manufacturing purposes without some mixture of cotton, as shewn in the proportions, sample No. 3. The remarks in my letter to Messrs. Thresher and Glenny prevent the necessity for further details on this point.

I beg now to request the kind attention of the Committee to that part of my letter to Messrs. Thresher and Glenny, in which I mention in reference to their praise-worthy endeavours to get ready in time for the Exhibition, some specimens of their manufacture from this material—that I purposed to suggest to the Committee in order to afford them the latest practicable date, to name the 10th January as the latest date at which articles from Europe can be admitted to compete for Prizes. I beg, with reference to this; also to direct attention to the favourable opinion of this material expressed by Mr. Smyth of Dublin—and Mr. Appleyard of Balbriggan—both well known Hosiery Manufacturers, as mentioned in the attached Extract of a letter received by the last Mail. I also attach a List of Samples despatched to them by the present Overland Mail. From their remarks, I am led to believe that specimens of their manufacture from this material may likewise be looked for, if time is allowed them. I will also request to be favored with one or more copies of Rules for transmission to these parties—and any other information you may consider would be acceptable to them.

I feel happy to think that in passing through your hands—the subject will meet with the great advantage derivable from your scientific acquirements—and I feel aware that in asking of you the favor to subject it to microscopical examination, the Committee will have no cause to regret my not having such an Instrument by me.

The filaments from the stem of the “*Nelumbium Speciosum*”—now sent as a specimen—may at a later date, when I shall have further tested their capabilities, and ascertained the opinion of Messrs. Thresher and Glenny, become the subject of future communication.

VIA MARSEILLES.

JAMES RATTON, Esq.

Surgeon in the East India Company Service, Chingleput,

Madras Presidency.

LONDON, 152 STRAND, June 24th, 1856.

SIR,

We have examined the sample of “*Calatropis Gigantea*” and we will do our best to manufacture it, if you will oblige us with the quantities ordered on the other side—or if not to be immediately obtained—send any quantity you can (if only one pound) by the Overland Mail, as we are really anxious to get some samples made for the Madras Exhibition. We shall be very happy to pay for the quantity ordered, and will make all the experiments at our own expense. It will however be very necessary to ascertain the price at which the material can be produced in the different States, and therefore we will thank you to send an invoice by the same Mail of all that is sent.

From the small sample we have seen the staple appears very short, and consequently will scarcely be sufficiently strong, without some mixture of Cotton or Silk—the latter, we think, would be the best—say about one-fourth or fifth of Cotton or of Silk. If spun by the hand, it will most likely retain much of that fine silky appearance; but if spun by machinery the silky appearance will most probably be lost. The Natives, we believe, are in the habit of spinning or throwing it by the hand—and they can most likely mix it with cotton or silk, and thus make a much stronger thread, and we should like samples of each. If the natives can spin it into a good fine thread at a moderate cost it would be better to have it at once in that state; but upon all these matters we will write more particularly when we have tried the samples. Immediately we receive the material we will put it in hand and forward you the results.

We have the honor to remain,

Sir,

Your obedient Servants,

(Signed) THRESHER & GLENNY.

The following to be forwarded by Overland Mail, as quickly as possible, to Messrs. Thresher & Glenny, 152 Strand, London.

25 lbs. clean from the Pod same as the sample received.

1 lb. or about that quantity of the same very loosely spun or thrown into a fine thread—but not hard twisted.

1 lb. the same, but mixed with about one-fourth or fifth of Cotton and spun or thrown into a fine loose thread.

1 lb. same, but mixed with silk instead of Cotton.

P. S. We shall feel obliged if you will send us word the latest date at which we can send samples for the Madras Exhibition—and any papers of Rules, &c. connected with the Exhibition.

True Copy.

CHINGLEPUT, }
13th August, 1856. }

J. RATTON,
Zillah Surgeon.

Address.

To

MESSRS. THRESHER & GLENNY,
152 STRAND, LONDON.

CHINGLEPUT, 9th August, 1856.

DEAR SIRS,

I had the pleasure to receive by the last Overland Mail, via Marseilles, your very obliging letter of the 24th June, relative to the Cotton from the "Calatropis Gigantea"—a sample of which I forwarded to you through my Brother Mr. Joseph Ratton, for your inspection and report.

The liberal and active manner in which you have met the wish to ascertain the capabilities of this new material, leaves me nothing further to desire, as I feel confident that at your hands it will meet with every advantage which science, and experience, aided by the best machinery can bring to bear upon a development of its capabilities. I have lost no time in responding to your wishes by at once collecting and preparing what quantity I could in time to forward to you as you requested by the present Overland Mail; though I could not procure the amount you required. The quantities are specified in the accompanying List of samples. I also send you three new materials, upon which I desire to be favored with your opinion. The fibres obtained from the inner bark of the Mudar, have up to the present been used only for making ropes and cordage—these are of excellent quality—and I believe esteemed stronger than cordage from any other fibre. I now send this sample to you under the impression that they admit of being manufactured into some useful fabric, possibly somewhat similar to Grass cloth.

It will be gratifying to you to know that I had the honor to lay your letter before the Right Honorable the Governor; who is the originator of these Exhibitions in this country, and takes a lively interest in every thing that tends to develop its resources; together with samples of the Mudar Cotton, by itself, and mixed with Cotton, and silk Cotton; the same as the 5 samples I send you, as well as a small sample of each of the 3 wefts here named. I likewise purpose to submit a copy of your letter, together with duplicates of the above samples, and a short report upon the "Calatropis Gigantea," to the Committee of the Madras Exhibition.

The 15th December is fixed as the latest date for sending things to the Exhibition. Articles admitted after the commencement of the Juries labours, are not permitted to compete for Prizes. But I shall in my letter to the Committee recommend that an exception as to date should be made with respect to articles sent from Europe; especially as you have so liberally taken upon yourselves, all that relates to the development of this material, and I am sure the Committee would wish to allow you the advantage of the latest practicable date to enable you to carry out your intentions, and I will therefore suggest, that the 10th day of January or two days after the expected arrival of the Europe Mail, be fixed as the latest date at which articles from Europe can be admitted to compete for Prizes. I will forward you a copy of the reply of the Committee—together with copy of the Rules—and such other information as the Secretary may think would be acceptable to you.

Relative to the price of the quantity ordered, and the price at which it can be procured in the different States, I can at present give you no information. There is now no price upon it—as it is a weed growing in every neglected spot of waste ground—and the future price will depend much upon the result of the experiments now about to be made upon it. I have only paid a trifle for the collection of the amount I send you, and the daily hire of a woman to mix up, and spin it. It is a plant which, if your experiments upon it prove favorable, can be cultivated to any extent. It grows, as I mention, upon all waste lands, which would be a very great benefit in itself, if required to be planted out, and it is yet difficult to say how far by proper culture in good land, its staple could be improved both as to its length and strength.

I have only been able to spin it for any available use in equal proportions with country cotton, as per sample No. 1, and together with silk cotton and country cotton, as in sample No. 3. Equal parts of silk cotton, and country cotton, form a useful thread, as seen in sample No. 2. I believe that were the Mudar cotton, or the silk cotton, mixed with a long staple cotton such as the American “Uplands,” or the “Sea Island” cotton, a less quantity would be sufficient, and it would spin into a finer thread. Should you be able to mix it with silk as you mention, it will be a very great advantage. I have not succeeded in doing so with the native bow, using the raw and floss silk I was able to procure. I believe it would mix well with lambs wool, and I should think with Marino wool.

You will perceive that in these samples I furnish you with silk cotton spun with equal parts of common cotton. Silk cotton has never yet been spun in this country. I believe in this respect that the sample here sent is original; the impression being that silk cotton could not be spun into a thread. You will perceive that by themselves both silk cotton, and the Mudar cotton, are only just capable of being spun; yet the two spun together in equal parts form a thread which though still too weak for any useful purpose, is yet stronger than either separate—and a combination of equal parts of common or country cotton to the two combined, forms a useful thread—as shewn in sample No. 3.

If this should lead to your being able to render silk cotton available for weaving purposes, it will be a great step in advance.

All these threads I find too weak for the warp; but they do for the weft. It is true the Looms in the weaving Establishment attached to the Jail at this Station, are not intended for a delicate thread; but are used for the manufacture of Table cloths, Napkins, Towels, and Trowser cloths. It is probable that were it spun with a due admixture of “Sea Island” cotton into a fine thread, and submitted to a Silk or Hosiery Loom, the result would be more satisfactory.

The filaments from the stem of the “*Nelumbium Speciosum*”—seem to me capable of being converted into some delicate texture. The filaments, I regret, have not been wound, in the manner they should be. This would be better attended to upon another occasion. It is a water plant, not cultivated; but grows abundantly on the opposite or Malabar Coast, where during the rainy season, it attains a much larger size, and would yield a greater abundance of filaments. By cultivation it could be improved in size, and become common to all tanks.

I remain, dear Sirs,

Yours faithfully,

J. RATTON,

Zillah Surgeon, Chingleput.

List of Samples sent per Overland Mail—Steamer “Nubia,” in one square box—addressed to Messrs. Thresher & Glenny, 152 Strand, London.

13 lbs. OF MUDAR COTTON CLEAN FROM THE POD.

No. 1—3 oz. Thread, equal parts of Mudar cotton, and country cotton—made up from the cotton sample also marked No. 1.

No. 2—2 oz. Thread equal parts silk cotton, and country cotton—made up from the cotton sample also marked No. 2.

- No. 3—Thread—1 part Mudar cotton.
 1 part silk cotton.
 2 parts country cotton—made up also from the sample cotton marked No. 3.

A Bird's Eye Table Napkin with 3 samples of narrow wefts of the above thread, marked Nos. 1, 2 and 3, wove upon a warp of country cotton.

Five samples of the following mixed Cottons.

MUDAR COTTON AFTER BEING BOWED.

- No. 1—Mudar cotton, and country cotton, equal parts.
 No. 2—Silk cotton and country cotton—equal parts.
 No. 3—Mudar cotton 1 part—silk cotton 1 part, country cotton 2 parts.

Sample of Silk Cotton.

SAMPLE OF THE COUNTRY COTTON USED IN THESE EXPERIMENTS.

Threads of Mudar Cotton alone—and Silk Cotton alone and in other proportions—all of no strength.

2 Silk Cotton Pods.

"Calatropis Gigantea"—Mudar—or Yercum.

The fibres obtained from the inner bark.

"Nelumbium Speciosum" the Sacred Tawmery Plant.

The long fine filaments contained within the cells of the stem—and drawn out.

Sample of thread spun from the above filament.

True Copy.

CHINGLEPUT,
 13th August, 1856. }

J. RATTON,
 Zillah Surgeon.

List of accompanying Samples.

MUDAR COTTON FROM THE POD.

- No. 1. Mudar cotton, and country equal parts.
 Thread from the same.
 No. 2. Silk cotton, and country cotton equal parts.
 Thread from the same.
 No. 3. Mudar cotton and silk cotton, each 1 part, country cotton 2 parts.
 Thread from the same.

Seven Table Napkins, Damask, and Bird's Eye patterns—showing wefts—of the above thread—marked with the corresponding numbers.

Four samples of Mudar, and silk cotton, variously mixed—including the above sample of the Mudar itself.

Thread Mudar cotton and silk cotton equal parts, No. 4.

Samples by weight, from a single pod of the Mudar, silk, and country cottons.

A silk cotton pod.

Samples of filaments from the stem of the "Nelumbium Speciosum"—or the Sacred Tawmery Plant.

J. RATTON,
 Zillah Surgeon.

List of Samples forwarded to Mr. Smyth of Dublin—and Mr. Appleyard of Balbriggan, per Overland Mail—Steamer “Nubia.”

2 lbs. of Mudar Cotton clean from the pod.

A mixture of Mudar, Silk, and country Cotton.

Mudar Cotton and country Cotton in equal parts—and a reel of thread.

Silk Cotton and country Cotton equal parts, 2 reels of thread.

3 other samples of mixed proportions of Mudar and country Cotton and Silk Cotton.

Silk Cotton pods—and a sample of the filaments of the “Nelumbium Speciosum.”

Extract from a Letter from Dublin.

“It was the opinion the Cotton could be spun. It was much admired in Balbriggan. The Cotton usually employed comes from America cost 3*d.* per lb., they also use some superior Cotton from the West Indies, cost 2*d.* per lb. but that your specimen is more beautiful. I was at Appleyard’s in Sackville, St. Le took some to send to his spinner. I was also at Smyth’s Abbey, St. Le admired it much—he said the quantity was too small to put into a machine, he would want $\frac{1}{2}$ oz. to try it; but he thought it could be spun—he sent some to Belfast to his spinner. Mr. Appleyard’s opinion is it could be spun, and made into hose; but that less than one oz. to try it, would be of no use.”

True Copy.

J. RATTON,

Zillah Surgeon.

COCHIN.

Local Committee, Exhibitors.

FIBRES.

6864	Karinehala Fibre.
6865	Vellachala do.
6866	Venthake do.
6867	Villpoona do.
6868	Kanakaida do.
6869	Anahpanna do.
6870	Mookynee do.
6871	Pandekavalum do.
6872	Vellakavalum do.
6873	Eddumpery do.
6874	Chagunagul do.
6875	Velladumboo do.
6876	Adumboo do.
6877	Kavalanar do.
6878	Takoonar or Teak.
6879	Arayanee do.
6880	Mullaorgum do.
6881	Nadoonar do.
6882	Vakoololah do.
6883	Washoonar.
6884	Arumpooly.
6885	Ayanee.
6886	Do. 11 lbs.
6887	Do. 6 lbs.

BIRDS.

6888	Stuffed Birds of different kinds.
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ANIMALS.

6889	Stuffed Animals.
6890	Do. do.

GUMS.

6891	Planjee	Pusha.
6892	Karimarathom	do.
6893	Venga	do.
6894	Muttee paul.	
6895	Pynee	Pusha
6896	Yelloovum	do.
6897	Chorakutty	do.
6898	Paullee	do.
6899	Do.	do.
6900	Ponga	do.
6901	Pauchonthee.	

Captain H. Drury, Exhibitor.

OILS.

6902	Koringota Oil.
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Local Committee, Exhibitors.

SKINS.

6903	Cheeta Skins	Rs. 8.
6904	Do.	do. Rs. 4.
6905	Do.	do. Rs. 4.
6906	Do.	do. Rs. 4.

EMBROIDERY.

6907	Coloured silk caps on cloth.
6907 $\frac{1}{2}$	Do. do. do.
6908	Do. Gold white Satin.
6909	Do. Silver Satin.
6910	Doil round.
6911	Do. oblong.

WOODS.

6912	Kolamawa.
6913	Kavalom.
6914	Poola.
6915	Nedoonar.
6916	Ennakally.
6917	Ellamungum.
6918	Mootenvaga.
6919	Palagapyanny.
6920	Chera.
6921	Veetee.
6922	Maneemarathoo.
6923	Ellenhy.
6924	Oonga.
6925	Nalee.
6926	Pathere.
6927	Poteny.
6928	Pallah.
6929	Odoo.
6930	Veemboo.
6931	Avala.
6932	Kanelpala.
6933	Attookayee.
6934	Kanakaittha.
6935	Vellakael.

COCHIN.

6936 Chempelavoo.
 6937 Thakoo or Teak.
 6938 Attookanhee.
 6939 Karinthagara.
 6940 Karakeeree.
 6941 Neermarathoo.
 6942 Ponge.
 6943 Choganagul.
 6944 Chempelavoo.
 6945 Payun.
 6946 Chinthoorum.
 6947 Coomishoo.

6948 Chorakatee.
 6949 Compala patheree.
 6950 Vellatemboo.
 6951 Kullala.
 6952 Vempala.
 6953 Kanagum.
 6954 Koorivee.
 6955 Thayvara.
 6956 Kadaplava.
 6957 Cooncevaga.
 6957½ Mullavorgum.

COCHIN.

STATEMENT AFFORDING THE INFORMATION REQUESTED IN THE PAMPHLET ENTITLED " HINTS ON THE COLLECTING OF WOODS" AND HAVING
REFERENCE TO THE SPECIMENS OF WOODS FORWARDED TO THE MADRAS EXHIBITION OF 1857.

	Names of Trees.	Where grown.	The distance from the Sea.	Whether Water Carriage is available.	Nature of the sub soil.	The average height and the thickness of the mature Tree.		The average length and thickness of the Logs.		Character of the Trees whether straight or crooked.	Time required for Seasoning.	The Amount of Seasoned Timber generally procurable.	Whether the Trees are increasing or decreasing.	The age at which the Tree reaches Maturity.	The objects for which the Wood is adapted.
						Height.	Thickness.	Length.	Thickness.						
						Koles.	Borreils.	Koles.	Borreils.						
1	Thakoo.	On the Codashery, Palapilly, Parawattany, Machaad, Chittoor, Pothoondy and Nelampathy Hills.	From 50 to 100 Miles.	Yes.	Generally speaking a rich black mould.	45	50	30	46	Most of them Straight.	Logs within one year and Taldoms or Planks within six months.	Procurable in large quantities.	Increasing by self sown seedling.	50	For Ship building, House building and Furniture.
2	Veetee.					40	45	20	41					45	For Tables, Chairs, Cots, Boxes, &c.
3	Poteny.					28	12	18	10					20	Fit for no substantial work.
4	Mootenvaga.					25	15	17	12					15	For Door Shutters, &c.
5	Kavalorn.					25	16	15	13					30	Fit for no substantial use.
6	Ueemboo.					45	50	30	46					50	Receives paint or varnish easily.
7	Pala.					40	40	30	36					50	Fit for no substantial use.
8	Ellenhy.					25	15	15	12					30	For House building.
9	Nedoonar.					45	20	30	14					30	For temporary sheds and other such like purposes.
10	Poola.					60	30	50	26					30	For Boats.
11	Odoo.					26	20	16	16					30	For House building.
12	Maneemarathoo.					30	15	20	12					30	For do. do.
13	Patheeri.					35	30	20	26					40	Fit for no substantial work.
14	Nalee.					17	10	12	8					40	Used as Planks on which to raise the Stone walls of Wells and Tanks, as they are preserved by water and are known to have remained under water uninjured for a Century and upwards. This Wood is also used for Laths and other purposes.
15	Chera.	On the Codashery, Palapilly, Parawattany, Machaad, Chittoor, Pothoondy and Nelampathy Hills.	From 50 to 100 Miles.	Yes.	Generally speaking a rich black mould.	30	25	20	21	Most of them Straight.	Logs within one year and Taldoms or Planks within six months.	Procurable in large quantities.	Increasing by self sown seedling.	50	Fit for no substantial work.
16	Oonga.					25	12	15	10					20	Do. do. do.
17	Ennakeerali.					14	12	10	8					30	For wheels of Bandies.
18	Ellamungum.					15	10	12	8					30	The bark is more useful than the wood.
19	Galagapayance.					25	15	15	12					25	Fit for no substantial work.
20	Polamawa.					40	50	25	46					50	For Boats.
21	Vellakael.					45	30	30	26					40	For Casks.
22	Mullaoorgum.					40	20	30	16					40	For House building.
23	Avala.					35	30	20	26					30	For Laths.
24	Attoo Kayee.					25	12	15	10					30	Fit for no substantial work.
25	Cata Pillava.					16	15	10	12					30	Do. do. do.
26	Choracattee.					12	10	6	8					20	For House building.
27	Payana.					50	50	40	46					50	For Boats.
28	Ahtoo Ranhi.					20	10	12	8					30	For House building.
29	Phonga.					45	50	30	46					50	For House building and other works.
30	Coomishoo.					20	14	12	10					25	For Troughs, Spouts and such like things.
31	Cahda Keeri.					15	10	10	8					20	For Posts for scaffoldings.
32	Chinthoorom.					14	10	8	8					15	Fit for no substantial work.
33	Kana Kaida.					30	20	20	16					30	Used by the Natives for Cradles, Railings and other work.
34	Chempelavoo.	On the Codashery, Palapilly, Parawattany, Machaad, Chittoor, Pothoondy and Nelampathy Hills.	From 50 to 100 Miles.	Yes.	Generally speaking a rich black mould.	26	50	18	46	Most of them Straight.	Logs within one year and Taldoms or Planks within six months.	Procurable in large quantities.	Increasing by self sown seedling.	50	For wooden Houses, Cots, Boxes, &c.
35	Cooni Vaga.					25	14	15	12					30	For Planks, &c.
36	Neermarathoo.					22	15	12	12					20	For House building and other works.
37	Carinthagara.					35	40	20	36					50	For do. do. do.
38	Choganagul.					28	30	18	26					30	For Almirahs, Palanquins, &c.
39	Canelpala.					25	25	20	21					50	Fit for no substantial work.
40	Vellatemboo.					15	12	10	9					10	Do. do. do.
41	Kullala.					16	25	10	21					50	Do. do. do.
42	Coompalla Patheri.					16	15	10	12					15	For common purposes.
43	Cooroovi.					15	10	10	8					16	For Flambeaus.
44	Vembala.					40	40	30	36					40	Fit for no substantial work.
45	Kanagum.					12	10	8	8					20	For House building.
46	Thayvara.					15	10	10	8					20	For House building and other works.

REFERENCE TO THE SIGNATURE OF WOL

COIMBATORE.

E. B. Thomas, Esq., Collector of Coimbatore,
Exhibitor.

- 2929 Country Musket, Rs. 8.
- 2930 Pike or Well, Rs. 2.
- 2931 Axe, Wrought, As. 8.
- 2932 Two Bill Hooks, As. 14.
- 2933 Sickle, As. 2.
- 2934 Cothoo or small Hoc, As. 1.
- 2935 Hook Knife with Chain, As. 1.
- 2936 Nippers, pair, As. 1.
- 2937 Small Hoe or Cottoo, As. 1.
- 2938 Knife, As. 4.
- 2939 Crow Bar, Rs. 1.
- 2940 Cottoo, resembling Hoe, As. 4.
- 2941 Five Black Sand Pipes.
- 2942 Five do. Papers.
- 2943 Four Papers containing different kinds of
Stones.
- 2944 Sand of the above kind in two Papers.
- 2945 Four Load Stones, Rs. 1.
- 2946 White Stones.
- 2947 Pair of Bellows, Rs. 2-8.
- 2948 Salt Petre.
- 2949 Wax, Rs. 1.
- 2950 Black Dammer, As. 6.
- 2951 Poonoogoo Seed, As. 4.
- 2952 Dammer, Raw, As. 4.
- 2953 Gum, variety, white, As. 2.
- 2954 Poolimungy Hibbiscus Cannabinus, As. 1.
- 2955 Cathambay or Panic Nar or Palmaira Fibre,
As. 1.
- 2956 Cuttalay Mungy, As. 1.
- 2957 Marool Mungy, As. 1.
- 2958 Sanappoo Nar, As. 1.
- 2959 Thalai Nar.
- 2960 Attee Nar.
- 2961 Caroovala Nar.
- 2962 Brick.
- 2963 Yereum Fibre.
- 2964 Senna Leaves.
- 2965 Calamus.
- 2966 Cauttoo Cottay.
- 2967 Wild Mustard.
- 2968 Four seasoned Leather.
- 2969 Cocoa Hemp.
- 2970 Two Red Cloths.
- 2971 One Black do.
- 2972 Cotton.

J. B. Roupell, Esq., Civil and Session Judge
of Coimbatore, Exhibitor.

- 2973 Dyed Aloe Fibre Rug, Rs. 2-10.
- 2974 Do. do. Rs. 2-10.
- 2975 Four do. Rs. 10-8.
- 2976 One Small do. Rs. 1-8.
- 2977 Aloe Fibre.
- 2978 Black Dyed do.
- 2979 Red do.

- 2980 Yellow Dyed Fibre Rug.
- 2981 Box containing Glass.

Overseer, Mr. Reid, Exhibitor.

- 2982 Wild Raw Pepper.
- 2983 Roller of small Canes.
- 2984 Two Hollow Bamboo.
- 2985 One do.

S. B. Kanagaroyen, Native Surgeon, Exhibi-
tor.

- 2986 Substitute for Indian Rubber.
- 2987 Four Fibres, different Colours.
- 2988 Substitute for Gutta Purcha.

Government Property, Local Committee
of Coimbatore, Exhibitors.

- 2989 Club for killing Buffaloes, Rs. 1.
- 2990 Two Axes, Rs. 3.
- 2991 One Adze, Rs. 3.
- 2992 Knife, Rs. 1-8.
- 2993 Bill Hook, Rs. 1.
- 2994 Cotoo or small Roe, As. 4.
- 2995 One do. smaller, As. 1.
- 2996 Slick with pointed Iron, As. 4.
- 2997 Burgers Cloth, Rs. 3.
- 2998 Peas Pulse, As. 4.
- 2999 Flour of Green Shrub, P. 6.
- 3000 Fried Rice of do. P. 6.
- 3001 Ganjy Grain, As. 2.
- 3002 Fibres of Hill, Rs. 1.
- 3003 Grain Gatherer.

Kistniah, Native Maramut Superintendent,
Exhibitor.

WOODS.

- 3004 Teclona Grandis, As. 2.
- 3005 Dalbergia Latifolia, As. 2.
- 3006 Pterocarpus Marsupium, As. 2.
- 3007 Terminalia Glabra, As. 2.
- 3008 Acacia Odoratissima, As. 2.
- 3009 Odina Woodiar, As. 2.
- 3010 Briedelia Spinosa, As. 2.
- 3011 Soymida Febrifuga, As. 2.
- 3012 Eroolamarom, As. 2.
- 3013 Nauclea Cardifolia, As. 2.
- 3014 Nauclea Parviflora, As. 2.
- 3015 Terminalia Chebula, As. 2.
- 3016 Melia Azadirachta, As. 2.
- 3017 Acacia Arabia, As. 2.
- 3018 Ficus Foe Indica, As. 2.
- 3019 Butea Frondosa, As. 2.
- 3020 Eugenia Fambolana, As. 2.
- 3021 Strychnos Potatorum, As. 2.
- 3022 Terminalia Belerica, As. 2.
- 3023 Thunkamarom, As. 2.
- 3024 Wrightia Tinctoria, As. 2.

COIMBATORE.

- 3025 Cocos Mucifera, As. 2.
- 3026 Ficus Glomerata, As. 2.
- 3027 Terminalia Chebula, As. 2.
- 3028 Azadirachta Indica, As. 2.
- 3029 Conocarpus Latifolia, As. 2.
- 3030 Caroonthoovaray Marom, As. 2.
- 3031 Acacia Sundra, As. 2.
- 3032 Vello Onja Marom, As. 2.
- 3033 Colarati Marom, As. 2.
- 3034 Jujubus Ziziphus Jujubu, As. 2.
- 3035 Poolie Marom, As. 2.
- 3036 Nerium Antidysenterieunes, As. 2.
- 3037 Canoopalie Maram, As. 2.

OILS.

- 3038 Sesanum Orientali, As. 4.
- 3039 Cocuc Mucifera, As. 4.
- 3040 Bassia Longifolia, As. 2.
- 3041 Melia Azadirachta, As. 6.
- 3042 Tapiridus Emarginotus, As. 2.
- 3043 Recinus Communis, As. 3.
- 3044 Sinapis Nigra, As. 2.
- 3045 Varicommattikoy Oil, As. 8.
- 3046 Ricinus Communis, variety, As. 2.
- 3047 Honey, As. 8.
- 3048 Melia Azadirachta, As. 1.
- 3049 Arabic, do. As. 1.
- 3050 Acacia Odoratissima, As. 1.
- 3051 Vateria Tumbuggla, As. 2.
- 3052 Hibiscus Connabius.
- 3053 Agave Americanus.
- 3054 Sansevieria Zeylanica.
- 3055 Cocus Nucifera.
- 3056 Calotropis Gigantea.
- 3057 Barasus Flabellifarmis.
- 3058 Crotalaria Juncea.
- 3059 Agave Americavos.
- 3060 Helecteres Isora.
- 3061 Variety of the Babool Thorn Dencoph Loca.
- 3062 do. do.
- 3063 Bahinia.
- 3064 Thadasi do.
- 3065 Cull Iche do.
- 3066 White Silk Thread,
- 3067 Red do.
- 3068 Yellow do.
- 3069 Pink do.
- 3070 Green do.
- 3071 Paddy.
- 3072 Choluni.
- 3073 Raggy.
- 3074 Cumboo.
- 3075 Tenci.
- 3076 White Sawmay.
- 3077 Red do.
- 3078 Black do.
- 3079 Varagoo.

Annas 11-8.

- 3080 Pany Varagoo.
- 3081 Rice.
- 3082 Doll.
- 3083 Wheat.
- 3084 Ooloondoo.
- 3085 Puchapire.
- 3086 Thattapire.
- 3087 Mocha.
- 3088 Bengal Gram.
- 3089 Horse Gram.
- 3090 Castor Oil Seed.
- 3091 Tarmarind.
- 3092 Chilly.
- 3093 Saltpetre, As. 6.
- 3094 Three Pieces Indigo, As. 4.
- 3095 Three Kinds Cotton.
- 3096 Wool.
- 3097 Tin Box containing 5 Idols, Rs. 3-8.
- 3098 Tobacco, As. 8.
- 3099 Muddippol or Gum Resin, As. 2.
- 3100 Cummin Seed.
- 3101 Fenugreek.
- 3102 Mustard.
- 3103 Coriander Seed.
- 3104 Poppy Seed.
- 3105 Cardamum.
- 3106 Aritharam.
- 3107 Yellow Colour.
- 3108 Vermillion.
- 3109 Saran Cottay.
- 3110 Strichnos Potatorum.
- 3111 Cadookoy.
- 3112 Thanikay.
- 3113 Siroovare.
- 3114 Tinsel.
- 3115 Saffron.
- 3116 Iron Ore Sand.
- 3117 Do. do.
- 3118 Refuse of Iron.
- 3119 Iron Ploughshare.
- 3120 Load Stone, As. 8.
- 3121 White Stones, As. 8.
- 3122 Red do.
- 3123 Chunam do. 3 kinds.
- 3124 Stone for mixing colours, As. 8.
- 3125 Two Stone Pots, As. 4.
- 3126 Bangles 2 kinds.
- 3127 Smelling Root.
- 3128 Akass Garoodon Root.
- 3129 Bhoochukra Root.
- 3130 Malathangy.
- 3131 River Stones.
- 3132 Vuttungiputtay.
- 3133 Nonapputtay.
- 3134 Canes 6 in No. As. 12.
- 3135 Do. Roller As. 4.
- 3136 Brown Sugar.
- 3137 Castor Oil Seed, small.

CUDDAPAH.

M. Murray, Esq., Exhibitor.

IRON STONE.

- 2529 Iron stone from Chintalacherovoo and Banchapully in Doovoor Talook.
- 2530 Ditto from Rooddraverum and Streerungapoorum in Koilcoontah Talook.
- 2531 Ditto Chennoor.
- 2532 Ditto Chitwail.
- 2533 Ditto Camalapoor.
- 2534 Ditto Poolmendalah.
- 2535 Ditto Goorumecondah.
- 2536 Occide of Iron from Muddenpully from which Iron is melted.

IRON SAND.

- 2537 Iron sand from Chinnamundiem and Paramatacondah Rayachoty Talook.
- 2538 Ditto Goorumecondah.
- 2539 Ditto Poolmendalah.
- 2540 Ditto Comarole and Yendapully in Doopand Talook.

MINERALS AND STONES.

- 2541 Mineral from the Mullamalah hills.
- 2542 Metal ore ditto species unknown.
- 2543 Pyrites ditto
- 2544 do in metix.
- 2545 Red ochre from ditto.
- 2546 Soft ditto ditto species unknown.
- 2547 Jasper ditto ditto.
- 2548 ditto species unknown.
- 2549 Crystal from Poolmendalah.
- 2550 Small crystals from Muddenpully.
- 2551 Large crystal, one black stone, one mineral, one small red stone from Poolmendalah.
- 2552 A bag of agates from Yerrabulla Poolmendalah Talook.
- 2553 In the same bag from ditto of different colours species unknown.
- 2554 Green quartz from do 3 miles from Poolmendalah.
- 2555 These are taken from the living rock about two miles southwest of Poolmendalah, they are in ridges from 18 Inches to 2 feet and ran for about 30 or 40 yards, between each ridge there is an open space 18 Inches to 2 feet; there is another range of stones all quite regular as if it is the work of art; it is requested that the nature of the formation may be explained.

- 2556 Different specimens of formations* from Mullapa canama 3 or 4 miles south of Poolmendalah.
- 2557 Of unknown species found near the same place as above.
- 2558 Species of tale found at 14 miles from Poolmendalah.
- 2559 Specimens of stone found in the bed of Yerrabulla Vunka, of various colours viz. white, red, green and purple, this is found in large masses embedded in line.
- 2560 Formations of different coloured clay found 3 miles south of Poolmendalah.
- 2561 Green granite with quartz do do
- 2562 Formation of red clay intermixed with green quartz do do.
- 2563 Apparently flint from do do.
- 2564 Another specimen of coloured mud from do.
- 2565 Plum pudding stone with jasper on it from do.
- 2566 Another species surrounded with yellow border from do.
- 2567 Very black stone like jet do.
- 2568 Formation of quartz and granite, the colours being mixed with red and green do do.
- 2569 Another specimen of flint from do do
- 2570 Do do do mixed with sand from do do.
- 2571 Another specimen of peculiar formation of 3 different kinds of stone from Poolmendalah.
- 2572 Do do of flint from do do.
- 2573 Specimens of jasper from do do.
- 2574 An agate in the formation of the petrified branch of a tree do do.
- 2575 A formation of white and green coloured stone from Poolmendalah
- 2576 A specimen of apparently close grain granite, coloured red, and very heavy from do.
- 2577 Another species of Plum pudding stone from do.
- 2578 Formation of flint, from do.
- 2579 Specimen of granite with colours green, purple and white from do.
- 2580 Formation of earth stone coloured with yellow and red from do.
- 2581 Granite with the red and other coloured quartz from do.
- 2582 Whitestone species unknown from do.
- 2583 Jasper quartz &c. from do.

CUDDAPAH.

- 2584 Flint of 3 colours light grey, yellow and dark grey from do.
- 2585 Specimen of white stone found in abundance in hills from do
- 2586 Apparently a species of quartz from do.
- 2587 Do. a blue agate found to the south of ditto.
- 2588 Another species of flint yellow &c. from do.
- 2589 Formation of red and green earth, hard and heavy from do.
- 2590 Do of small size of the above kind from do.
- 2591 Specimen of stone very hard like flint with the yellow arch on one side of it from do.
- 2592 Quartz from do.
- 2593 Species of agate or jasper from do
- 2594 Formation of stone coloured clay from do.
- 2595 Do. do do.
- 2596 Formation of clay with stone black like jet attached to it at the top, from do.
- 2597 Green stone from Malagoontapully in Rayachoty Talook.
- 2598 Do do like marble from do do
- 2599 Specimens of granite from the hills in Royachoty, Gorrundondah and Middenpully Talooks.
- 2600 Flint from Chitwall.
- 2601 Stone from Cumbum.
- 2602 Jasper in the matrix from Pool-mendalah.
- 2603 Strange formation, species unknown requested to be informed from do
- 2604 Pale ochre from do.
- 2605 Quartz from Chitwall.
- 2606 Flag from Penna river.
- 2607 Yellowish green stone.
- 2608 Black mud used for adulterating Indigo.
- 2609 Red ochre.
- 2610 Chunam from Iummulmudgoo.
- 2611 Stone from Beeracanama pass in the sidhout Talook.
- 2612 Two stone boxes from Jummulmudgoo for sale at 12 As. for each.
- 2613 Red ochre from Royachoty.
- 2614 Species of marble from do.
- 2615 Crystals from Mullamala hills in do
- 2616 Red and coloured ochre from do
- 2617 Species of stone from Gopaulasawmy condah.
- 2618 Laterite from Chintalochervoo.
- 2619 Flint from ditto.
- 2620 Stones from Mooddooreddy, pully
- GUNS AND GRASS.
- 2621 Mango tree.
- 2622 Horse radish tree.
- 2623 Yalama ditto (Teloo goo.)

- 2624 Gum arabic indica.
- 2625 Gum arabica.
- 2626 Chereta from Muddenpully.
- 2627 Country Sarsaparella.
- FIBRES.
- 2628 Goganar.
- 2629 Jumpnar.
- 2630 Alloes.
- 2631 Two, from the fibre of the yellageesee or flax might be used extensively in the manufacture of paper; at present, it is only used for manure.
- 2632 Two ropes of the fibre of Yeppeetree, one large one small.
- 2633 Cotton Mauritius one small bag.
- 2634 Ditto yellow.
- 2635 One piece of fine muslin sent by Moottial Paula Cundoo for sale 35 Rupees to be sold.
- 2636 One piece of silk Handkerchieves, 9 in number of different patterns manufactured in Cuddapah. To be sold for Rs. 20 and paid to Messrs. Binny and Co. for M Murray Esq.
- 2637 Specimen of silk from Cuddree Talook sold for Rupees 20 or Rs. 5 per viss.
- 2638 Two black Head cloths with gold edge from Koilcoontah fer sale 10½ Rupees each.
- 2639 One maund of Indigenous cotton from Wooyalawada Koilcoontah Talook.
- WAX.
- 2610 Sealing wax.
- OF GRAIN.
- 2641 Paddy called Peshanum.
- 2642 Ditto Gungasawmy.
- 2643 Ditto Racalavuddloo.
- 2644 Ditto Moorarzully.
- 2645 Ditto Channanee vudloo.
- 2646 Ditto Yelladapoovudloo.
- 2647 Ditto. unknown.
- 2648 Ditto Giradavudloo.
- 2649 Do. Thellathocala vudloo.
- 2650 Do. Kristnaneelaauloo.
- 2651 Do. Chentavooppoo vudloo.
- 2652 Do. Soogathansoovudloo.
- 2653 Do. Vichum sunna vudloo.
- 2654 Do. Bungaroothega vudloo.
- 2655 Do. Gungasawmy vudloo.
- 2656 Do. Peddtocala vudloo.
- 2657 Do. Mooradully vudloo.
- 2658 Paddy called Paumoodoorthy vudloo
- 2659 Ditto Mooraurezetty vudloo
- 2660 Horse gram sown in fields
- 2661 Raghee sown under wells
- 2662 Baregaloo
- 2663 Alasunthooloo or Caramondy
- 2664 Black gram
- 2665 Lamp oil seeds

CUDDAPAH.

- 2666 Green gram
- 2667 Horse gram
- 2668 Wheat
- 2669 Red grain or cunthooloo
- 2670 Arecaloo
- 2671 Buller
- 2672 Yellagesaloo
- 2673 White jonnaloo
- 2674 Raghee sown in fields
- 2675 Jonnaloo
- 2676 Raghee sown in garden lands
- 2677 Red gram or cundooloo sown in the fields
- 2678 Mucka Jonnah
- 2679 Sujjaloo
- 2680 Raghee sown in the wet land
- 2681 Gingely oil seed
- 2682 Bengal gram
- 2683 Wheat sown in fields
- 2684 Coosoomaloo or oil seeds
- 2685 Zelacarazooloo or white rice
- 2686 Ditto Paddy
- 2687 Paumoodoorty rice
- 2688 Yerrazeeracarajanaloo rice
- 2689 Molapoosamy paddy
- 2690 Moorarali rice
- 2691 Matapoo rice
- 2692 Coriander seeds
- 2693 Mustard
- 2694 Vilva seeds

FRUITS.

- 2695 Akhrot fruit of a alenrites triloba
- 2696 Two composition grind stones for sale, Rupees 8 for both to be remitted to M. Murray Esq.

OIL.

- 2697 Oil of Akhrot

- 2698 Ditto of ganda Ferosa this oil is particularly effective in the cure of old ulcers or sores and is strongly recommended to the Medical Board

PAINTED LEATHER PLATE AND DISH MATS.

- 2699 Plates to be sold at 4 annas each
- 2700 Dishes Ditto at 8 annas each
- 2700½ twelve bottles of Honey.

B. Vengul Reddy, Exhibitor.

GRAINS.

- 2621 Aunoomooloo
- 2622 Jonnaloo
- 2623 Menthooloo
- 2624 Voolavaloo
- 2625 Sanagaloo
- 2626 Gothoomooloo
- 2627 Menoomooloo
- 2628 Cumboooloo
- 2629 Noogooloo
- 2630 Cunthooloo
- 2631 Pasaloo

SEEDS,

- 2632 Woolligudda
- 2633 Janapa
- 2634 Gogoonara
- 2635 Country Cotton
- 2636 Ethanara

STONES.

- 2637 Aracaloo
- 2638 do White
- 2639 do Red
- 2640 do Black
- 2641 do Sandal Stone
- 2642 Jagry Palmaira
- 2643 do Good
- 2644 Indigo
- 2645 Sulpher

GANJAM.

Anem Ayennah Weaver, Exhibitor.

GANJAM.

- 578 Jartar bootah muda puvoula betta
bodasoorum chera or woman cloth
silk Rs. 33-7-8
579 Muda puvoula nulla bodasoorum
chira or woman cloth silk Rs. 27
10-6.

Asepu Tatiah Exhibitor.

- 580 Fine bootah muslin cotton Rs. 5-8.

Tayen Papiah Exhibitor.

- 581 Plain muslin bootah Rs. 8.

Gootto Cunniah, Exhibitor.

- 582 Saloo bootah muslin cotton Rs. 5.
583 Green bootah muslin cotton Rs 5.
As. 8.

Koosoonoo Patnaikoodoo Carver, Exhibitor.

- 584 Sandal wood box Rs. 10.
585 Do large card case Rs. 2.
586 Do small do Rs. 1.
587 Do paper knives Rs. 1.
588 One do do Rs. 1.
589 One do do Rs. 1.

GUNTOOR.

Local Committee, Exhibitors.

MINERAL KINGDOM.

2335 Iron 1st sort As. 12-2.

2336 Do 2nd sort As. 9.

2337 Iron Ores.

MINERAL SUBSTANCES PALNAUD AND OTHER

MARBLES.

2338 White from Condramootta in Innacondah Talook.

2339 Do from Dyda in Timmercotta do.

2340 Do from Ravoolagudda in Datchapully do.

2341 Do from do. in do.

2342 Do from do. in do.

2343 Do from do. in do.

VEGETABLE KINGDOMS.

GUMS AND RESINS.

2344 Gums of Modooga Butca Frondosa.

OIL SERIES.

2345 Three Bottles of Linseed Oil As. 6-9.

2346 Do of Cucumber seed Oil As. 6-9.

FIBRES.

2347 Hemp of Nera (*Bantinia spicata*)

2348 Do of saugo (*sausa viera zeilaniac*)

ANIMAL KINGDOMS.

2349 Do of Modooga (*Butea Frondosa*)

2350 Horns spotted deer Rs. 2.

2351 Do do As. 10.

2352 Do of Antelope.

2353 Skins of sheep tanned Rs. 1-14.

2354 Do of Goat do As. 10.

2355 Do of spotted deer untanned As. 3.

2356 Do of sheep do As. 2.

2357 Do of Goat do As. 3.

2358 Do of Black Antelope As. 4.

2359 Feather of king Fisher with skins As. 12.

2360 One Piece of Mortar.

Vasarowtoo Vencatacroostnoodoo, Puncen

Chena Ramasawmy, Exhibitors.

2361 One box of sealing wax Rs. 13-8.

2362 One box of sealing wax.

Local Committee, Exhibitors.

2363 Lithographic stone from Amara-vaty in Guntour District with specimen of work.

Vasarootoo, Jugganaikloo, Exhibitors.

2364 One bag of Cutteemndoo.

2365 One do of Toomma Gum.

2366 One box of 12 Toys.

Lingamulloo Paupiah Head Shroff, Exhibitor.

2367 One spotted deer born.

2368 Bees wax.

2369 One Piece of Gogoo Gunny 10 yards.

2370 One Do of Janapa do do.

HYDERABAD.

REMARKS OF LOCAL COMMITTEE ON HYDERABAD CONTRIBUTIONS.

It remains now for the Committee to make a few remarks upon the consignment which they have had the honor to transmit to Madras.

As regards the Ores and metals, the General Committee will find specimens of two new Ores, both forwarded to the Resident by Mr. Mulheran of the Trigonometrical Survey. One Ore, already known to the Committee, is from Yatmall on the Southern border of South Berar, midway between Karinjah and Paldy. This Ore is very rich and abundant. The other is from Oomrowtee, the great centre of the Cotton producing Country of North Berar. This Ore is also rich and abundant. A third specimen comes from Lohkunda, North Berar, but further enquiries regarding this slag (?) have yet to be made.

The ferruginous laterite of Karosa, is instructive, as a specimen of the rock of that remarkable place. In the side of a mountain of this deposit, are Caves of large size full of sculptures cut out of the rock. The Local Committee are not aware whether these remarkable excavations have been brought to public notice or not.

The Armour steel—justly celebrated,—and the sword Blades made from it, are objects of interest ; specimens of both have been forwarded.

The Salts from Lunar are superior specimens. The principal facts connected with the curious Geological phenomenon of the Lake, have already been laid before the General Committee.

Articles used in the manufacture of Glass, are from Lunar. The common white quartz and impure Carbonate of Soda were taken from the Bangle Makers' stores. Specimens of Glass, colored with Manganese and Iron, are also submitted.

Though the manufacture of Glass is in a very undeveloped state in the Deccan, yet the Committee will take an interest in the artificial Gems and Spectacle Glasses now submitted for Exhibition. English colored glass is highly prized and very good imitations of Gems are at times made from it by the Glass cutters.

The unfinished Pottery of Raichore, as well as the finished specimens of the same ware deserve attention. The manufacture is far from perfect ; it is still rude and expensive.

The Model of a Brine Well and specimens of the Salts obtained from the Great Brine tract of North Berar, deserve notice. The Wells are Artesian Wells (?), and yield a large quantity of Salt yearly. An early communication on this important subject will probably be made to the General Committee.

Passing to the Vegetable Kingdom the General Committee will find a tolerably complete collection of the Cereal (Cereals, dry Grains Millets), as they were sent in from the several Talookdars, without selection. The Pulses are also numerous and well represented. The Spices and Condiments are nearly complete. The Starches though not numerous contain a new one from the root of the Bombax heptaphylla, which has been tried and found nutritious. The Plantain powder and the Arrow-root of Hyderabad are also represented. The Sugars are, as a collection, very poor ; this is one of the weak points of the Deccan. The Sugar Candy of the City is however justly approved of.

HYDERABAD.

Amongst the Spirituous liquors, the Local Committee solicit attention to a new Spirit, obtained from the distillation of Mangoes, and forwarded by Rungasawmy Moodelliar ; with all its merits, the General Committee will perhaps agree with the Committee in thinking, that one Spirit fewer would be a greater boon to humanity than one Spirit more.

The Oils are but feebly represented ; such as they are, the General Committee have them—good and carefully prepared specimens by Mr. Fowler of Bolaurum are also transmitted.

The Ottars are such as are generally prepared for the Hyderabad market. The Gums and Resins are in their usual careless and dirty state. They contain one specimen of Concrete, juice of the *Ficus racemosus*, and another of the gum of the *calatropis gigantea*, which may be of use as a substitute for gutta-percha in Telegraphic and Electro casting operations. The dyes and tanning substances are tolerably complete.

A superior set of specimens of the indigenous and imported medicines of Hyderabad has also been forwarded. These must be carefully returned to Dr. G. Smith.

Amongst the fibres, Flax will attract most attention. Efforts have been made to produce flax and linen in the assigned districts by the Resident, and the first,—and by no means discouraging results—are placed before the General Committee. The other fibres, as usual have been prepared in a slovenly manner.

The specimens of Timbers sent are good, upon the whole. The botanical names of some of them are unknown to the Committee.

Amongst the miscellanea, is the Bojputta, the inner bark of a tree, used to cover Hooka Snakes, and as an Envelope to Hoondies in the wet weather.

The specimens of lac forwarded are very good. Tigers claws which meet with a great demand here, being used as armlets and charms, are also submitted.

The models of Agricultural instruments from South Berar and Raichore have been carefully prepared. Attention is more particularly solicited to the small but complete model of the loom of the Warrungul Carpet Weaver. The original was in daily operation in the Presidency compound, during the period of the late Hyderabad Exhibition.

Sets of Artisan's tools have been submitted for inspection to shew with what rude implements remarkable results are secured. The Native apparatus is primitive but efficient, and when worked by the delicate hand of the Native, results, which even the West with all its Mechanical helps cannot always excel, are secured. These rude implements convey a useful lesson.

The Dials forwarded to your Committee by the Nawab Oomdat ool Moolk Bahadur, Son of the respected Shumsul Oomrah, will doubtless meet with attention, as specimens of neat and elegantly finished workmanship. They shew that the Native workmen is able, with due encouragement and patterns, to make scientific apparatus of a delicate and complex kind.

The Cotton introduced and grown by the Resident, has already been submitted to the Chambers of Commerce of Calcutta, Madras and Bombay, and has received the approbation of eminent Manchester dealers. A small specimen is forwarded. The Committee however trust that the larger specimen previously submitted will find its way into the Exhibition.

The Cotton manufactures speak for themselves ; from the common khadee to the delicate and beautiful Cotton Sarees of Pytun, Nandair and Amerchinta, all are creditably represented.

The beauty of the dyes, as seen in the dyed Muslins and colored Sailahs of Hyderabad, is well illustrated. These dyes are fugitive.

The Deccan is feeble in Woollen Manufactures. The Cumblies and Numdahs are consequently of inferior manufacture.

HYDERABAD.

The manufacture in Tussa Silk of Wurrungul is creditable ; the Silk fabrics are thick and even ; and the dyes are rich and brilliant. The best specimens come from Pytum, and Aurungabad. The figured Silks too are deserving of notice, and the embroidered Kinkobs are only to be equaled by those of Benares and Guzerat. The mixed fabric called Mushroo, is also fairly represented.

No silk Carpets have been sent from Wurrungul, the Local Committee regarding them as more expensive than useful. The Cotton and Woollen Carpets and Rugs submitted, however, are good specimens of the manufacture. There is much room for improvement in this quarter.

Of the Gold, Silver, embroidered work, and lace, for which Aurungabad has long been celebrated, superior specimens have been sent, illustrating well the innate taste of the Native workmen. The embroidery on Net and Velvet is especially beautiful, and attracted much attention at the Hyderabad Exhibition.

Paper made at Aurungabad and Kaguswarra is forwarded. The Native paper is better suited for Native Ink, which is thick and greasy, than European paper. Under the Superintendence of Captain Hare at Aurungabad, a paper maker at Kaguswarra has exhibited paper made from the Umbarree, Aloe, Baindee and Date. These specimens deserve notice and approbation. Four specimens of binding, shew what the inhabitants of Hyderabad regard, as superior workmanship.

The packet of Fibres from North Berar and from Dr. Riddell will attract attention ; the Fabrics prepared by Dr. Riddell, are curious and interesting.

Of silver, gilt, and plated articles, creditable specimens from Aurungabad and Yelgundel are forwarded. Zinc Abkorahs, so much prized in the City, and made at Aurungabad, are also submitted for Exhibition. Superior specimens of Swords made of steel, will also be found in the Catalogue of articles transmitted.

Attention is also solicited by the Local Committee to the steel Carving Knives and Forks, and to the birds scissors, as well as to the scorpion lock, prepared by an ingenious Hyderabad Mechanic. The scorpion is a lock ; by gently pulling out the 2d foot of the left side of the animal, the cover of the key hole flies open, and the key being applied and turned reversely, the claws open. The Knives though not well balanced, are well made, and the Ivory handles are neatly stained.

The Model of a Gun and limber made by a Naal Bund at Aurungabad, is the most elegant item of the contribution. A Prize of Rupees 40, has been adjudged to the ingenious and painstaking workman.

The Manufactures in Brass and Alloys are numerous and illustrative.

The well known Biddery ware is also exhibited, though the Local Committee regret that the vases, exhibited at Hyderabad and prepared for Major Davidson, Baroda, could not be forwarded. The applicability of this ware to the imitation of patterns, taken from the Glass Vases of England, France and Bohemia, was well illustrated in these beautiful specimens.

A few examples of the finished Raichore Pottery supplement of the unfinished specimens found in Section 1. Much room still exists for improvement ; utility and economy are rather lost sight of, in the effort after display and attractiveness.

The specimens of Agate Trays, &c. are superior. They are much prized in the City, and are supposed to have come from Lahore ; no manufacture of this kind being to the Committee's knowledge carried on in Hyderabad or in the Deccan. Do they also come from China ?

The leather shields, of Elgundel are good specimens ; so is the example of Surat work made at Secunderabad. The lacquered Toys of Neermal deserve notice.

The hilt of a sword belonging to the Right Honorable Lord Harris, exhibits a beautiful specimen of inlaying in Gold ; this hilt was executed in Chudderghaut.

HYDERABAD.

In the decorative department, the Local Committee have much pleasure in referring the General Committee to the six elegant specimens of lattice work in Chunam, forwarded along with the contribution. These specimens attracted much attention here, and are intended for transmission to the London Museum.

The General Committee having met with so much practical sympathy and cooperation from the Dewan of the Hyderabad State, the Local Committee trust that the claims of this Country will not be overlooked, when the practical suggestions of the General Committee regarding the developement of the resources of India, the improvement of its primitive machinery, the extension of its trade, and the direction of its arts, shall have been made public.

HYDERABAD.

Local Committee, Exhibitors.

6001	One Kadee	Rs. 2-2.
6002	One do.	Rs. 1-8.
6003	One do.	Rs. 1-7.
6004	One do.	Rs. 1.
6005	Two Sailahs 2—4 each	Rs. 4-8.
6006	One Sailah	Rs. 6 9.
6007	Two Sailahs 4—7 each	Rs. 8-14.
6008	Two do. 13—12 each	Rs. 27-8.
6009	Three Dotees	Rs. 3-1.
6010	One pair Dotees	Rs. 5-8.
6011	One do.	Rs. 3-7.
6012	One do.	Rs. 8-12.
6013	One do.	Rs. 7-12.
6014	One do.	Rs. 6-2.
6015	One Dooputtah	Rs. 1-6.
6016	One do.	Rs. 1-6.
6017	One do.	Rs. 1-6.
6018	One do.	Rs. 1-6.
6019	One do.	Rs. 2.
6020	Two do. 3—14 each	Rs. 7-12.
6021	One do.	Rs. 176-9.
6022	One Sauree	Rs. 1-13.
6023	One Cotton Sauree	Rs. 34-6.
6024	One Sauree	Rs. 35-1.
6025	One do.	Rs. 128-6.
6026	One do.	Rs. 167.
6027	One Turband	Rs. 3-3.
6028	One do.	Rs. 6-1.
6029	One do.	Rs. 8-2.
6030	Two Turbands 9—2 each	Rs. 18-4.
6031	One Mundeel	Rs. 25-13.
6032	One do.	Rs. 27-4.
6033	One Loongy	Rs. 2-8.
6034	One do.	Rs. 5-4.
6035	Two Soocees 5—8 each	Rs. 11.
6036	Two pair Roomauls	Rs. 2-8.
6037	One do.	Rs. 3-7.
6038	Two do. 4—13 each	9-10.
6039	One Roomaul	Rs. 1.
6040	Two do. 4—4 each	Rs. 8-8.
6041	One do.	Rs. 6-14.
6042	One do.	Rs. 10-5.
6043	One Dundara	Rs. 4-1.
6044	One do.	Rs. 4-1.
6045	One do.	Rs. 4-1.
6046	One do.	Rs. 4-1.
6047	One do.	Rs. 4-1.
6048	One do.	Rs. 4-1.
6049	One do.	Rs. 4-1.
6050	One Coloured Muslin	Rs. 5-14.
6051	One do.	Rs. 5-14.
6052	One do.	Rs. 6-2.
6053	One do.	Rs. 6-2.
6054	One do.	Rs. 6-2.
6055	One do.	Rs. 6-2.
6056	One do.	Rs. 6-2.
6057	Two do.	Rs. 12-4.
6058	One do.	Rs. 6-2.
6059	One do.	Rs. 6-2.
6060	One do.	Rs. 6-2.
6061	One do.	Rs. 6-14.
6062	One do.	Rs. 7-2.
6063	Eight Chintz Cholees one piece	Rs. 1-1
6064	Twenty Specimens of Chintz (packed with Contribution for London.)	Rs. 1-14.
6065	Eight Soojnies at 2—14 each	Rs. 23.
6066	One do.	Rs. 6-5.
6067	One do.	Rs. 2-10.

6068	Five Coarse Kanchas 13 As. ea.	Rs. 4-1.
6069	Two fine Kanchas 1—2 ea.	Rs. 2-4.
6070	Two blue Kanchas	Rs. 1-10.
6071	One Doria Jacket	Rs. 4.
6072	Two Puncchees	Rs. 2-2.
6073	One Kummul	Rs. 4-8.
6074	Two Choleekuns	Rs. 6.
6075	One Turband	Rs. 4-2.
6076	One Silk Sauree	Rs. 27.
6077	One do.	Rs. 30.
6078	One do.	Rs. 55.
6079	One do.	Rs. 150-2.
6080	One Silk Dotee	Rs. 50 13.
6081	One large Silk Dotee	Rs. 69-1.
6082	One do.	Rs. 70-10.
6083	One do.	Rs. 96-14.
6084	One Silk Cholee	Rs. 1-6.
6085	One do.	Rs. 3.
6086	One do.	Rs. 4-13.
6087	One do.	Rs. 6.
6088	One do.	Rs. 34-10.
6089	One piece Thaftha	Rs. 1-12.
6090	One do.	Rs. 2-8.
6091	One do.	Rs. 3.
6092	One do.	Rs. 3.
6093	One Kummerbund	Rs. 48-2.
6094	One piece Punchee	Rs. 16.
6095	Five Silk Handkchfs. 11 As. ea.	Rs. 3-7.
6096	One do.	Rs. 6.
6097	One piece silk Himroo	Rs. 8.
6098	One do. Mushroom	Rs. 9-8.
6099	One do. do.	Rs. 16-11.
6100	Two do. do.	Rs. 17-12 each 35 8.
6101	One Silk and Cotton Sauree	Rs. 8-8.
6102	One do.	Rs. 14.
6103	One do.	Rs. 16.
6104	One Silk and Cotton Cholee	Rs. 3-8.
6105	One do.	Rs. 3.
6106	One Kum khab	Rs. 23.
6107	One do.	Rs. 46.
6108	One Cotton Carpet	Rs. 5-8.
6109	One Woollen do.	Rs. 5-8.
6110	One do. do.	Rs. 32-8.
6111	One Cotton do.	Rs. 50-8.
6112	One do. do.	Rs. 8-4.
6113	Two Woollen Chair Carpets	Rs. 2-12 each Rs. 5-8.
6114	One Chair Carpet	Rs. 2-1.
6115	One do.	Rs. 4-2.
6116	Two Rolls of Silver lace with lac	3-14 each Rs. 7-12.
6117	One embroidered Dooputtah	Rs. 24.
6118	Three pieces of gold Tash	Rs. 222-12.
6119	Six Embroidered Caps 2 Rs. ea.	Rs. 12.
6120	One Gold Dooputtah	Rs. 50.
6121	One Gold Embroidered white Apron	Rs. 7-14.
6122	One do. do. black	Rs. 7-14.
6123	One White Embroidered purse	Rs. 6 9.
6124	Three Pieces Gold Tash	Rs. 219-12.
6125	One Gold Carchoby Kummerbund	Rs. 25-6.
6126	One Pair Peacock feather Morechuls	Rs. 19-8.
6127	One Silver Chumky	Rs. 3-11.
6128	One Roll Gold lace	Rs. 24-6.
6129	One do. of Silver Gockroo	Rs. 4-7.
6130	One do. Gold and Silver Fringe	Rs. 12-9.
6131	One do. Jowdanees	Rs. 9-8.

HYDERABAD.

- 6132 One Roll narrow (to match the above) Rs. 4-2-7.
6133 Silver Lace and Buttons Rs. 7.
6134 One Roll Gold Gockroo Rs. 6-1.
6135 One Embroidered Reed Pen Rs. 1-4.
6136 One Red velvet Saddle cloth in 9 pieces Rs. 71-12.
6137 One set of Horse Reins Rs. 16-6.
6138 Five specimens of Paper.
6139 Three Nos. of 3 Issues of the Hyderabad Medical Journal.
6140 Four Specimens of Book Binding Rs. 13-8.
6141 Specimens of Fibre and Rope
6142 One Silver gilt Vase Rs. 76-15.
6143 One goolab Pash Rs. 12-4.
6144 One Silver ring in 11 pieces Rs. 3.
6145 One Utter Dhan Rs. 50-3.
6146 One Kullum Dhan Rs. 138-11.
6147 One plated hookah bottom Rs. 18-5.
6148 One Copper Chillum Rs. 3.
6149 One Sword Rs. 34-6.
6150 One Straight Sword Rs. 34-6.
6151 One Dagger Rs. 18.
6152 Two Sword Handles Rs. 2-1 each Rs. 4-2.
6153 Three Horses' bits Rs. 3-10.
6154 One Betel Nut Cutter Rs. 1-1.
6155 One Hookah bottom Rs. 12-7.
6156 to 6159 Thirty-one specimens of lacquered ware Rs. 2-4.
6160 Fourteen specimens of glazed ware Rs. 1-8.
6161 Nine specimens of taled ware Rs. 4.
6162 to 6164 Three specimens of Manufacture in Agate Rs. 25.
6165 Five Bulphum vessels Rs. 2.
6166 Three pairs of polished horns Rs. 2-8.
6167 One Horn Paper Cutter Rs. 2.
6168 One Work basket Rs. 10.
6169 to 6171 Specimens of lac Ornaments &c. Rs. 8-6.
6172 One Leather shield Rs. 3-10.
6173 One do do Rs. 3-1.
6174 One do do Rs. 2-14.
9175 One Set Samber Reins As. 4.
6176 Four Pieces of Waist Belts Rs. 3-7.
6177 One Pair wooden Clogs Rs. 1-6.
6178 Fifty-two Wooden spoons As. 12-
6179 One Blackwood writing Desk Rs. 11-6
6180 A basket for smoking the hair As. 3.
6181 & 6182 Four Naiches of bead work Rs. 24-8.
6183 One Specimen of Surat work Rs. 55.
6184 One Gent's Card case Rs. 5.
6185 Scented powder Rs. 2-1.
6186 Ugger-buddy Rs. 6-14.
6187 Burmakky Rs. 6-14.
6188 One Pair of embroidered slippers Rs. 9.
6189 One set of wooden lacquered Toys Rs. 4-4
6190 One Sailah Rs. 1-6.
6191 One do Rs. 5-10.
6192 One do Rs. 7-12.
6193 One do Rs. 10-14.
6194 One do Rs. 24-12.
6195 A pair of Dotees Rs. 2-5.
6196 One do Rs. 2-5.
6197 One Doobuttah Rs. 2-9.
6198 One do Rs. 2-9.
6199 One do Rs. 64-9.
6200 One Sauree Rs. 4-7.
6201 One do Rs. 4-7.
6202 One Sauree Rs. 14.
6203 One do Rs. 28-14.
6204 One do Rs. 60-8.
6205 One do Rs. 88-4.
6206 One Turband Rs. 4-12.
6207 One do Rs. 7-4.
6208 One do Rs. 11-10.
6209 One do Rs. 13-10.
6210 One Mundeel Rs. 15-4.
6211 One do Rs. 17-12.
6212 One do Rs. 35-5.
6213 Two Pairs of Roomauls Rs. 2.
6214 Two do Roomauls Rs. 7-1.
6215 One Cholee Rs. 4-10.
6216 One do Rs. 6.
6217 Two Dorias 6 Rs. each Rs. 12.
6218 One Doria Rs. 10-8.
6219 One Coloured Muslin Rs. 7-10.
6220 One Putka Gold bordered Rs. 71-7.
6221 One Silk Sauree Rs. 27.
6222 One do Rs. 52-4.
6223 One do Rs. 52-1.
6224 One do Rs. 63-10.
6225 One do Rs. 96-8.
6226 One do Rs. 96-4.
6227 One do Rs. 99.
6228 One do Rs. 148-8.
6229 One Silk Dotee Rs. 26-7.
6230 One do Cholee Rs. 1-9.
6231 One do Rs. 2-12.
6232 One Piece Soocce Rs. 5-4.
6233 One do of Thaftha Rs. 6.
6234 One do Rs. 8-4.
6235 One Piece Silk Himroo Rs. 5-4.
6236 One do Rs. 7.
6237 One do Rs. 38.
6238 One do Rs. 42.
6239 Two Pieces of Silk Mushroo 6-12 each Rs. 13-8.
6240 One Silk Mushroo Rs. 17-1.
6241 One do Rs. 18-1.
6242 One Silk and Cotton Sauree Rs. 6-3.
6243 One do Rs. 19-4.
6244 One do Rs. 28-14.
6245 One Piece Cholee Rs. 7-3.
6246 One Kum khab Rs. 16.
6247 One do Rs. 28.
6248 One do Rs. 30.
6249 One do Rs. 66.
6250 One do Rs. 187-8.
6251 One Cotton Carpet Rs. 7-2.
6252 One Prayer do Rs. 8-4.
6253 One Roll Gold Lace Rs. 24-15.
6254 One Gold Carchoby Kinnaree Rs. 15.
6255 One Silver do Rs. 15.
6256 One Sailah Rs. 4-5.
6257 One Turband Rs. 5.
6258 Two Pairs Roomauls Rs. 2-8.
6259 One Pair do Rs. 2-9.
6260 One Soojunee or Quilt Rs. 1-14.
6261 One Sunjurkaney Rs. 5.
6262 One Silk Sauree Rs. 58.
6263 One Pair Handkerchieves Rs. 2-8.
6264 Fourteen Specimens of Pottery Rs. 30.
6265 One Doosootee
6266 One Sauree Rs. 8-14.
6267 One Numdah
6268 One Kummul Rs. 4-10.
6269 One Silk Sauree Rs. 18-6.
6270 One do Rs. 23-3.
6271 One Large Silk Dotee Rs. 10-11.

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6272	Oleum Anethi Rs. 2.
6273	" Anisi As. 12.
6274	" Juglans Pteroc lbs. 2—Rs. 1-8.
6275	" Ricini lbs. 1½—As. 12.
6276	" Sison Ammi lbs. 2—As. 12.
6277	Marant : Aurundinac : lbs. 1½—Rs. 1.
6278	A Bottle of Jesamine Oil Rs. 2-8.
6279	Five pieces Steel Rs. 4—11 each Rs. 23-7.
6280	Bangles of various colors As 15.
6281	do do As. 12.
6282	A Crystal Amethyst Rs. 1.
6283	Seven imitation Glass Gems Rs. 3.
6284	Six do do Rs. 2.
6285	Nine do do Rs. 6.
6286	Three do Cinnamon Stones Rs. 1.
6287	Six Dozens do Stones Rs. 6.
6288	Five Blue Glass Coat Buttons Rs. 1.
6289	Six Hundred Glass Beads Rs. 1.
6290	One Row white do As. 8.
6291	Two pairs Cataract Glasses Rs. 7.
6292	Artificial Pearls and a pair green earrings As. 9.
6293	One Granite Mortar and Pestle Rs 2-12.
6294	A Row of white stone Beads As. 4.
6295	Two Specimens of Rock Crystals cut Rs. 2-1.
6296	Two Small Topazes Rs. 3.
6297	A Rock Crystal Stone for Ring Rs. 1-4.
6298	Two Specimens of jet Rs. 1-1.
6299	Twelve Stones of rock Crystals for a Bracelet Rs. 4 2.
6300	A Set of garnet Beads Rs. 6-14.
6301	A Signet Ring of Rock Crystal Rs. 2-12.
6302	A Set of Rock Crystal Beads Rs. 6-14.
6303	Two pairs of Spectacle Glasses Rs. 5-8.
6304	One Rock Crystal Seal Rs. 1.
6305	Two do Cut Rs. 1.
6306	One Stone said to be jasper As. 12.
6307	do imitation sapphire Rs. 1
6308	Four Cornelians Rs. 5.
6309	A String of Garnet Beads Rs. 2.
6310	Four Moonstones Rs. 1.
6311	Two Jet Stones Rs. 1-8.
6312	Eight Moonstones Buttons Rs. 4.
6313	One Cornelian Rs. 3.
6314	Twenty six sorted stones Rs. 9.
6315	A set of Goldsmith's Instruments Rs. 2-9.
6316	do Weaver's do Rs. 1-6.
6317	do Stone Cutter's do Rs. 3-7.
6318	do Carpenter's do Rs. 6-3.
6319	do Coppersmith's do Rs. 3-7.
6320	do Ironsmith's do Rs. 7-1.
6321	Iron for preparing Grinding Stone Rs. 1.
6322	Amber Utter Rs. 8-3.
6323	Sohag do Rs. 7.
6324	Chumballa do Rs. 6-9.
6325	Mootheah do Rs. 6-9.
6326	Rose do Rs. 2-10.
6327	Kavedah do Rs. 2-10.
6328	Munbavun do Rs. 9-13.
6329	Panch do Rs. 7-3.
6330	Babar do Rs. 6-9.
6331	Mootheah do Rs. 1.
6332	Juah do Rs. 1.
6333	Mujmoorah do Rs. 1.
6334	Rahutha Roo do Rs. 1. [Rs. 5-15.
6335	Sealing Wax Sticks of Various Colors
6336	Glass for Making Bangles Rs. 4.
6337	One Paichwan Naicha Rs. 15.

Nawab Salar Jung Bahadoor and Hyderabad Committee, Exhibitors.

6338	One Red Silk Sauree Rs. 30.
6339	One Piece Mushroom Rs. 19.
6340	One Green and Red Mushroom Rs. 19.
6341	One do do Rs. 18.
6342	One Red Mushroom Rs. 21.
6343	One do do Rs. 18.
6344	One do do Rs. 18.
6345	One do do Rs. 18.
6346	One do do Rs. 22.
6347	One do do Rs. 24.
6348	One do do Rs. 17-12.
6349	One do do Rs. 17-12.
6350	One do do Rs. 22-8.
6351	One do do Rs. 17-12.
6352	One Mushroom Rs. 22.
6353	One do Rs. 19-12.
6354	One do Rs. 16-8.
6355	One do Rs. 17-12.
6356	One do Rs. 17-12.
6357	One do Rs. 17-12.
6358	One Piece Kumkhab Rs. 18.
6359	One do do Rs. 40.
6360	One do do Rs. 22.
6361	One do do Rs. 34-8.
6362	One do do Rs. 17.
6363	One do do Rs. 26.
6364	One do do Rs. 18.
6365	One do do Rs. 22.
6366	One do do Rs. 25-12.
6367	One do do Rs. 28.
6368	One do do Rs. 31.
6369	One do do Rs. 30.
6370	One Callabathoon Mushroom Rs. 55.
6371	One Piece Embroidered Tash Rs. 16.
6372	One Carchoby Kinnaree Rs. 11.
6373	One do do Rs. 10.
6374	One Silver Kinnaree Rs. 8.
6375	One Gold do Rs. 13.
6376	One Embroidered Persian Pen Rs. 1-8.
6377	One Piece Gold Tash Rs. 23-15.
6378	Two do Silver do Rs. 44-2.
6379	Two do Gold do Rs. 53-2.
6380	One Piece Mushroom Rs. 20.
6381	One do Tash Rs. 23-8.
6382	One Tash Carchoby Turband Rs. 35-1.
9383	One do Tash Rs. 35-1.
6384	One Piece Embroidered Kinnaree Rs. 35-13.
6385	One do do Rs. 19-15.
6386	One do do Rs. 62-12.
6387	One do do Rs. 48-5.
6388	One do do Rs. 28-7.
6389	One Embroidered Naicha Cloth Rs. 18-15.
6390	One Piece Mushroom Rs. 22-5.
6391	One do do Rs. 22-11.
6392	One do do Rs. 19-1.
6393	One do do Rs. 21-11.
6394	One do do Rs. 19-11.
6395	One do do Rs. 17-12.
6396	One do do Rs. 16-12.
6397	One do do Rs. 19-5.
6398	One do do Rs. 20-5.
6399	One do do Rs. 20-11.
6400	One do do Rs. 22-5.
6401	One do do Rs. 20-6.
6402	One do do Rs. 19-1.
6403	One do do Rs. 23-10.
6404	One do do Rs. 19-1.

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6405	One Piece Himroo	Rs. 38-1.	6476	One Pair Dotees	Rs. 20-10.
6406	One do do	Rs. 40-11.	6477	One Cheera and Putka Embroidered	Rs. 22.
6407	One Beetle-nut bag	Rs. 27.	6478	One Piece green Tash	Rs. 4.
6408	One Red Cotton Dooputtah	Rs. 64-9.	6479	One Plain Gold Tash	Rs. 7-8.
6409	One do do	Rs. 30-8.	6480	One Piece Silver Tash	Rs. 6.
6410	One do do	Rs. 32-13.	6481	One do Yellow Tash	Rs. 4.
6411	One Sauree	Rs. 64-4.	6482	One do Red Tash	Rs. 3.
6412	One Dooputtah	Rs. 20-13.	6483	One do Green Tash	Rs. 4.
6413	One Sauree	Rs. 64-5.	6484	One Bundle of Gold Gotah	Rs. 5-7.
6414	One do	Rs. 32-5.	6485	One Roll Silver Lace	Rs. 4-12.
6415	One Dooputtah	Rs. 20-13.	6486	One do Neem Calabathoon	Rs. 21.
6416	One do	Rs. 44-13.	6487	One Gold Carchoy Border for Sauree	Rs. 16.
6417	One Sauree	Rs. 49-14.	6488	One Embroidered Cap	Rs. 23.
6418	One do	Rs. 34-11.	6489	One Gold Embroidered Naicha Cloth	Rs. 18-14.
6419	One Dooputtah	Rs. 64-9.	6490	One Gold Kinnaree	Rs. 14.
6420	One Sauree	Rs. 64-5.	6491	One Satin Scarf	Rs. 91-14.
6421	One Dooputtah	Rs. 18-8.	6492	One Gold Embroidered Saddle Cloth	Rs. 99-6.
6422	One do	Rs. 20-14.	6493	One Embroidered Hookha Carpet	Rs. 33-13.
6423	One do	Rs. 22-10.	6494	One do Aftabgeeree (2 pieces)	Rs. 110.
6424	One do	Rs. 19-5.	6495	Five Rolls of Gold Lace	Rs. 49-11.
6425	One do	Rs. 21.	6496	One Silver Gilt Utter Dan	Rs. 66-4.
6426	One do	Rs. 43-2.	6497	Silver Head of the Aftabgeeree	Rs. 69-1.
6427	One do	Rs. 51-6.	6498	One Silver Box	Rs. 80-1.
6428	One do	Rs. 44-13.	6499	One Embroidered Whip	Rs. 4-6.
6429	One do	Rs. 51-6.	6500	Scented Ornaments used by Women	Rs. 27-8.
6430	One do	Rs. 51-6.	6501	One Mixed fabric Sauree	Rs. 22.
6431	One do	Rs. 20-14.	6502	One do do	Rs. 38-8.
6432	One do	Rs. 16-1.	6503	One do do	Rs. 38-8.
6433	One Sauree	Rs. 96-14.	6504	One do do	Rs. 35-12.
6434	One Dooputtah	Rs. 16-1.	6505	One do do	Rs. 17-3.
6435	One do	Rs. 64-9.	6506	One do do	Rs. 28-6.
6436	One Sauree	Rs. 80-12.	6507	One do do	Rs. 23.
6437	One do	Rs. 60-15.	6508	One Pair Dotee	Rs. 15-1.
6438	One do	Rs. 48-7.	6509	One Peetumber	Rs. 31-10.
6439	One do	Rs. 128-6.	6510	One Sauree	Rs. 28-14.
6440	One do	Rs. 72-3.	6511	One do	Rs. 30-15.
6441	One do	Rs. 38-12.	6512	One Cotton and Silk Sauree	Rs. 34-6.
6442	One do	Rs. 24-1.	6513	One Sauree	Rs. 96-8.
6443	One do	Rs. 17-12.	6514	One Silk Jahler or fringe	Rs. 18-4.
6444	One do	Rs. 24-1.	6515	One Cotton Sauree	Rs. 17-14.
6445	One do	Rs. 41-12.	6516	One Woollen Carpet	Rs. 16-12.
6446	One Dooputtah	Rs. 56-8.	6517	One Sauree	Rs. 26-2.
6447	One do	Rs. 56-8.	6518	One Sailah Gold Bordered	Rs. 37-2.
6448	One White Roomaul	Rs. 51-11.	6519	One do do	Rs. 37-2.
6449	One do	Rs. 62-10.	6520	One do do	Rs. 50-14.
6450	One do	Rs. 51-11.	6521	One Sailah	Rs. 19-4.
6451	One Mundeel	Rs. 16-1.	6522	One do	Rs. 18-9.
6452	One do	Rs. 18-9.	6523	One Doria	Rs. 19-14.
6453	One do	Rs. 17-14.	6524	One Dooputtah Gold Bordered	Rs. 34-6.
6454	One do	Rs. 18-9.	6525	One Silk Sauree	Rs. 53-10.
6455	One do	Rs. 18-9.	6526	One do do	Rs. 58-2.
6456	One do	Rs. 19-6.	6527	One Cotton Dotee	Rs. 28-6.
6457	One do	Rs. 17-12.	6528	One do Sauree	Rs. 22.
6458	One Silk Sauree	Rs. 24-15.	6529	Twelve do Cholees	Rs. 18-9.
6459	One do do	Rs. 43-6.	6530	Six Silk do	Rs. 22-11.
6460	One do do	Rs. 58-5.	6531	One do Sauree	Rs. 106-8.
6461	One do do	Rs. 41-6.	6532	One Mixed Sauree	Rs. 27-8.
6462	One do do	Rs. 66-14.	6533	One do do	Rs. 27-8.
6463	One do do	Rs. 105-12.	6534	One Silk Dotee	Rs. 39-14.
6464	One do do	Rs. 74-5.	6535	One do Sauree	Rs. 35.
6465	One do do	Rs. 144-5.	6536	One do do	Rs. 33.
6466	One do do	Rs. 76-2.	6537	One Piece Cotton Roomaul	Rs. 4-2.
6467	One Silk Dotee	Rs. 64-9.	6538	One Cotton Sauree	Rs. 28-12.
6468	One do do	Rs. 64-9.			
6469	One do do	Rs. 64-10.			
6470	One do do	Rs. 26-7.			
6471	One do do	Rs. 30-8.			
6472	One do do	Rs. 43-6.			
6473	One do do	Rs. 71-6.			
6474	One Embroidered Umbrella	Rs. 158-2.			
6475	One do Fan	Rs. 68-2.			

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- 6539 One Set of Embroidered Horse Reins Rs. 27-8.
 6540 One Sword belt, Embroidered Rs. 13-12
 6541 One Brass Mushal handle Rs. 2.
 6542 One do Kullee Hookha Bottom with stand Rs. 3-2.
 6543 One do Hookha Bottom with stand Rs. 2-9.
 6544 One do Furshee Rs. 1-14.
 6545 One do do Rs. 2-1.
 6546 One do do Rs. 2-2.
 6547 One do do Rs. 1-8.
 6548 One do do Rs. 1-9.
 6549 One Brass Pan dan Rs. 1-9.
 6550 One do Snake's head As. 11.
 6551 One do Bucket Rs. 1-1.
 6552 One do Meetah or Jug Rs. 1-6.
 6553 One do Lotah As. 9.
 6554 One do Abkorah Rs. 1.
 6555 One do Lotah Rs. 1-13.
 6556 Two do Combs As. 4.
 6557 One do (flower Vase) 2-2.
 6558 One do Bell Rs. 2-13.
 6559 One do Abkorah Rs. 1-12.
 6560 One do Chungare Rs. 3-5.
 6561 One do Fish As. 11.
 6562 One do Elephant on Stand Rs. 6.
 6563 One do Box Rs. 1-3.
 6564 One do Horse As. 13.
 6565 One Pair Horse Stirrup Rs. 2-15.
 6566 One Ood-dan Rs. 3-9.
 6567 One Brass Bull Rs. 6-6.
 6568 One do Book Stand Rs. 4-5.
 6569 One do Shield Rs. 5.
 6570 One do Pair Bells Rs. 13.
 6571 One do Pickle pot Rs. 6-14.
 6572 One do Abkorah Rs. 1-5.
 6573 One do Plate Rs. 4-12.
 6574 One do Lotah Rs. 2 6.
 6575 Six Pairs Toe Rings As. 14.
 6576 One Pair Brass Kulkals Rs. 1.
 6577 One do Bederware (Carpet weights) Rs. 12-14.
 6578 One do do Rs. 11-2.
 6579 One do do Spice Box Rs. 8-6.
 6580 One do Cup and Saucer Rs. 15-8.
 6581 One do Hookha Bottom Rs. 12-8.
 6582 One Zinc Goglet Rs. 6-4.
 6583 One Set of Scented Ornaments for men Rs. 27-8.
 6584 One Leather Shield Rs. 3-1.
 6585 One do do Rs. 3-1.
 6586 One Choorah (large Knife) Rs. 16-8.
 6587 One Sword Rs. 34-6.
 6588 One do Rs. 34-6.
 6589 One Choorah Rs. 34-6.
 6590 One Paisikkubbs Rs. 9 10.
 6591 One Roll Silver fringe Rs. 13-9.
 6592 One Roll Gold Lace 13-6.
 6593 Eight Rolls Silver Kinnaree Rs. 29-9.
 6594 Eight do do Lace (narrow) Rs. 23-12.
 6595 Five do Gold do. Rs. 16-15.
 6596 Five do Silver Lace Rs. 9.
 6597 One Bundle silver Thread Rs. 7-4.
 6598 One do Sulmah Gold Rs. 7-9.
 6599 One Silver Sword handle Rs. 66-11.
 6600 One do Utter dan Rs. 50-8.
 6601 One do Hookha Chain 18-3.
 6602 One do do Rs. 27-15.
 6603 One do small do Rs. 1-11.
 6604 One Necklace Rs. 53-5.

- 6605 One Necklace Rs. 53-5.
 6606 Specimens in Agate Rs. 6.
 6607 Shist for Arrows Rs. 2.
 6608 One do do Rs. 2.
 6609 One do do Rs. 2.

Captain Davis, Exhibitor.

- 6610 A small Collection of fibres &c., from North Berar.

Nawab Oomdut-ool-Moolk Bahadoor, Exhibitor.

- 6611 An universal Dial.
 6612 A horizontal Dial.

Dr. Smith, Exhibitor.

- 6613 Three Copies of the three issues of the Hyderabad Medical Journal.
 6614 A carefully selected set of the indigenous and imported Medicines of Hyderabad.

Captain Palmer, Exhibitor.

- 6615 A Hookha Bottom of Biddery Ware.

Resident of Hyderabad, Exhibitor.

- 6616 Various Specimens in Flax and Cotton Vide Section III.

Captain Taylor, Deputy Commissioner W. D., Exhibitor.

- 6617 Piece of Red Twisted Silk.
 6618 do Yellow Silk.
 6619 do do do
 6620 do do do

Articles purchased by the Resident for the Honorable East India Company's London Museum.

- 6621 Four Kadees Rs. 1½ each Rs. 5.
 6622 One Jote Rs. 1-4.
 6623 One Sailah Rs. 3-4.
 6624 One do Rs. 3-4.
 6625 One do Rs. 8-9.
 6626 One do Rs. 15-13.
 6627 One Dootee Rs. 4-2.
 6628 One pair Dootees Rs. 49-8.
 6629 One Dooptah Rs. 13-10.
 6630 One do Rs. 20-2.
 6631 One Sauree Rs. 2-5.
 6632 One do Rs. 7-2.
 6633 One do Rs. 7-2.
 6634 One do Rs. 30-8.

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- 6635 Four Turbands Rs. 2 each Rs. 8.
 6636 Two Mundees Rs. 25 do Rs. 50.
 6637 Two Loongees Rs. 48 do Rs. 9.
 6638 One Pair Roomauls Rs. 8-4.
 6639 Two Cholees Rs. 3-7 each Rs. 6-14.
 6640 One Roomaul Rs. 16-8.
 6641 Two Pieces Thagut work in leaves
 Rs. 2-4 each Rs. 4-8.
 6642 One Silk Sauree Rs. 100-1.
 6643 One Piece Mushroo Rs. 19-14.
 6644 One Pair Morechuls Rs. 76-12.
 6645 One Specimen Beder Ware Rs. 116-14.
 6646 One do Rs. 22-14.
 6647 One do Rs. 4-11.
 6648 Model of a Gun Carriage and Limber
 made by Bod Raj Rs. 100.
 6649 One Sailah Rs. 14-9.
 6650 One Sauree Rs. 5-4.
 6651 One Doria Muslin Rs. 19-4.
 6652 One Roomaul Rs. 96-4.
 6653 One do Rs. 112-5.
 6654 One Colored Muslin Rs. 5-6.
 6655 One do Rs. 5-6.
 6656 One do Rs. 5-6.
 6657 One do Rs. 5-6.
 6658 One do Rs. 5-6.
 6659 One do Rs. 5-6.
 6660 One do Rs. 5-6.
 6661 One do Rs. 5-6.
 6662 One do Rs. 5-6.
 6663 One do Rs. 5-6.
 6664 One do Rs. 5-6.
 6665 One Sooznee Rs. 4-5.
 6666 One do Rs. 4-9.
 6667 One do Rs. 2-14.
 6668 One do Rs. 4-5.
 6669 One do Rs. 4-9.
 6670 One do Rs. 4-5.
 6671 One do Rs. 4-5.
 6672 One do Rs. 4-5.
 6673 One do Rs. 4-5.
 6674 One do Rs. 6-5.
 6675 One Thagut Roomaul Rs. 9.
 6676 Seven Pieces Tassa Silk Rs. 7-15 each
 Rs. 55-9.
 6677 One Silk Sauree Rs. 68-4.
 6678 One do Rs. 173-5.
 6679 A Bundle of Silk & Cotton Ezar Bunds
 (5 pieces) Rs. 3-2.
 6680 One Piece Silk Himroo Rs. 40-11.
 6681 One do Mushroo Rs. 43-5.
 6682 One do Kunkhab Rs. 262-8.
 6683 One Cotton Carpet Rs. 50-8.
 6684 One Woollen Carpet Rs. 32-8.
 6685 One Gold embroidered White Gown
 Rs. 111-9.
 6686 One do Black do Rs. 137-13.
 6687 One do Musnud with Pillows Rs. 233.
 6688 Two Specimens of Paper.
 6689 One Bundle of Nizam's Shahee Paper,
 Rs. 2-15.
 6690 One Bundle Kaikee Paper Rs. 3-10.
 6691 Pullas Park do Rs. 3-10.
 6692 Shayestakhaneh do Rs. 11-13.
 6693 Bahadurkhanee do Rs. 10-11.
 6694 Paper made from Cloth Rs. 4-4.
 6695 do Silk Rs. 7-12.
 6696 do Kayerah fibres Rs. 3-10.
 6697 Glazed Paper Rs. 4-7.
 6698 Silver Pan Dan Rs. 217-14.
 6699 Plated Hookha Bottom Rs. 10.

- 6700 Five Articles made of Zinc Rs. 6-9.
 6701 One do Rs. 6-4.
 6702 One Sword Rs. 61-8.
 6703 One do Rs. 34-6.
 6704 One do Rs. 50.
 6705 One Agate Plate Rs. 40.
 6706 One Leather Shield Rs. 3-7.
 6707 Six Specimens of Chuham lattice work
 Rs. 205-14.

Resident of Hyderabad, Exhibitor.

- 6708 Model of a Native Plough from Raichore
 6709 do do South Berar.
 6710 do Tippon or Drill Raichore.
 6711 do do South Berar.
 6712 do Mograh or Drill Plough South
 Berar.
 6713 do Bukker or Clodcrusher do.
 6714 do do Raichore.
 6715 do do do.
 6716 do Dowrah or Weeder South
 Berar.
 6717 do do do do.
 6718 do of Mote do do.
 6719 do Retcha or Cotton Cleaner do.
 6720 do do Raichore.
 6721 do Churka South Berar.
 6722 do do Raichore.
 6723 do Cotton Cleaner South Berar.
 6724 do do Raichore.
 6725 do Oil Press South Berar.
 6726 do Sugar Mill do do.
 6727 do Carpenter's Adze Raichore.
 6728 do Wurungul Carpet Weaver's
 loom, Chudderghaut.
 6729 Two Specimens of Sculpture, South
 Berar.

Hyderabad Committee, Exhibitors.

- 6730 Specimens of Knives, Scissors and
 Scorpion Lock made by a Workman
 in Hyderabad.

Dr. Riddell, Exhibitor.

- 6731 Seventeen Specimens of fibres and
 fabrics made of Various Materials.

Dr. Day, Asst. Surgeon H. C., Exhibitor.

- 6732 A Case of Indian Birds.

Captain Meadows Taylor, Deputy Commissioner, Exhibitor.

- 8321 Jowaree white Pice 3.
 8322 do kavalee Pice 3.
 8323 do yellow Pie 1.
 8324 Jode-wheat Pice 3.
 8325 Bajree Pice 2.
 8326 Onion Seed Ag. 1.
 8327 Gajra Seed Pice 6.
 8328 Black Paddy Pice 6.

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8329	Moongya Pice 4.	8364	Wowa Pice 6.
8330	Poppy Seed Pice 9.	8365	Mustard Pice 5.
8331	White Sawa Pice 3.	8366	Black Raleh Pie 1.
8332	Burē Soap Pice 6.	8367	Cucumber Seed Pie 1.
8333	Dood Mogra Pice 3.	8368	Bitter Karel Pice 3.
8334	Dark Paddy coarse Pice 5.	8369	Bhoor Moong (ground nut) Pice 5.
8335	White do. do. Pice 4.	8370	Wheat Pice 3.
8336	Moong Pice 5.	8371	Chenna (Gram) Pice 3.
8337	Oodud Pice 6.	8372	Toor Pice 2.
8338	Methee (cummin) Pice 3.	8373	Dhunea or (Coriander) Pie 1.
8339	Thill, Sesamum Pice 6.	8374	Gingelly Oil As. 1-8.
8340	Castor Oil Seed Pice 5.	8375	Karel Oil As. 1-3.
8341	Wurye Pice 3.	8376	Ambaree Oil Pice 6.
8342	Ambara Pice 2.	8377	Kurda or Koosm Oil As. 1-3.
8343	Vurda or Koosur Pice 2.	8378	Ground nut Oil Pice 6.
8344	Linseed (Jaos) Pice 4.	8379	Cocoanut Oil As. 2-3.
8345	Satoo, a kind of wheat Pice 3.	8380	Poppy Seed Oil As. 3.
8346	Kodroo Pice 2.	8381	Jowaree red 1st kind Pice 3.
8347	Mukka Pie 1.	8382	Mussoor Pice 5.
8348	Mussooree Sallee Round Paddy Pice 5.	8383	Mutkee Pice 4.
8349	Rajgeera black Pice 6.	8384	Kalabhat Sallee (Paddy) Pice 5.
8350	Do. white Pice 6.	8385	1 small Shahmeana Tent, consisting of
8351	Lachna Pice 2.		1 inner Top, Walls, threefolds lined
8352	Karel Pice 4.		with Chintz, 1 outer fly, threefolds
8353	Sawa black Pice 3.		lined with red Jaconet and Walls
8354	Bahadlee Pice 3.		lined with Chintz, 1 Centre Pole in
8355	Gram Pice 4.		two Pieces with a brass joining
8356	Junnun Seed Pice 3.		Tube, 12 side Poles, all complete
8357	Argudea Jowaree coarse Pie 1.		with Ropes, &c. Rs. 122-63
8358	Jowaree red (Bhendya 2d kind termed	8386	Setrinjees to suit the Tent.
	Lamde) Pice 2.	8387	1 Setrinjee As. 12-3.
8359	Red Paddy Pice 3.	8388	2 do. 13-3.
8360	Buttana (Peas) Pice 2.		3 do. 13-3.
8361	Lakh Pice 2.		4 do. 15-3.
8362	Raleh white Pice 2.		5 do. 12-2.
8363	Sép Seed Pice 5.		6 do. 12-2.

MEMORANDUM.

The object of this Shahmeana Tent is to obtain the greatest space inside, most ventilation, most protection from heat, at the least expence of original cost and carriage and it is submitted that these objects have been attained.

A fault of all Tents, whether single or double poled is, that there is no ventilation except by the doors, and where a Tent is crowded with natives, as is the case in Public Cutcherries, or Durbars, the atmosphere becomes offensive and unwholesome. Very little air comparatively escapes or enters by a door; and in a double poled Tent especially, the air is much confined by the ceiling or inner fly. At night in warm weather it is impossible to use a Tent with privacy, so as to secure air. This must have been experienced by all, who have used them continually.

In the Shahmeana Tent, the ventilation is perfectly secured by the contrivance adopted which is that the inner fly is raised to a height of twelve feet all round, or Ten as may be desired. The Kanats are six feet, and from the edge of the fly, a curtain depends which laces on to the Kanat where they meet, or which may be drawn up by a rope passing through a ring at each pole to form festoons all round. When the curtain is drawn up, a free current of air is admitted all round over the walls whether by day or night and in Durbar or Cutcherry, it will be found a great relief as removing the offensive smells and heat, which a body of people collected together promiscuously, will always give out. At night though all the doors may be closely shut by Purdas for privacy, the air received from above the walls, will be found sufficient for all purposes; and in hot weather, when it is necessary to close the Tent to apply Tattees or a Thermantidote, the curtain when laced down to the Kanat, keeps out hot wind as well, indeed better, I think than ordinary Tents.

HYDERABAD.

Protection from Sun.—The inner fly which is nearly flat, or but slightly raised in the centre, is 12 feet above the floor. Above the fly is the outer or single poled Tent fly which is clear of the Shameana all round and the great space thus formed between the two flies, admits a perpetual current of air, mitigating the heat which otherwise exists, and is engendered when the space between flies of Tents is closely shut by outer walls.

From the edges of the upper fly, Sywans or extra Sun verandahs, are laced on all round. These, form a verandah eight feet wide all round the Tent which is open if the Tent have only single walls. But it will be obvious on inspection of the model, that as the verandah is closed on one side to form a dressing or bathing Room, that the whole of it all round could be closed or that Kanats could be fitted to two sides, which would perhaps be most convenient.

The Tent altogether combines the usefulness and easy carriage of the single poled Tent with extent of space afforded by a Double poled Tent, indeed in this respect, it is much superior. For instance, a Field officer's Double poled Tent made at the Jubbulpoor Institution 28×16 and costing 589 Rupees affords inside a space of 448 square feet. Whereas my Tent which with Sywans all round, enclosed on one side as in the Model, cost 550 Rupees in the same Institution, gives $24 \times 24 = 576$ square feet.

Now if the outer Verandah be added to the Double poled Tent, the dimensions would be $36 \times 24 = 864$ square feet. Whereas if all sides of the 8 feet Verandah be enclosed, as the one side is in the Model, the result is a square of $24' \times 8' \times 8' = 40'$ or 1600 square feet which is perfectly practicable. Indeed it is advisable that the Tent should be enclosed on two sides at least and these side Rooms while they make the Tent more compact and private, will be found of great use as Office Rooms of a Cutcherry, or as Dressing or Bath Room if a private Tent.

If two of these Tents are joined together for a large Durbar or, ordinary use, as is perfectly practicable, a Room is found 24' by 48' without reckoning the outer Verandah; which if enclosed and the inner Kanats removed, would give a space of 40×80 with an uniform height of 12 feet.

Several great objections to large double poled Tents exist, which are familiar to all that have used them.

1st. The ridge pole may break, and render it impossible to pitch the Tent at all. If lascars let down a double poled Tent unevenly, i. e. one pole falls before another, the ridge pole reaches the ground slantingly and is very apt to snap.

In bad weather, a double poled Tent, if pitched broad side to a storm, or is taken on the broad side by heavy rain and wind, exposes a large surface which invariably leaks, because of the bag caused by the force of the wind and if the ridge pole breaks by the additional force and weight, the Tent is useless as shelter.

It is admitted by experience that a good single poled Tent will stand any gale or any weather, if only secured by bushing the Pegs and that it bags very little and is always dry.

Now the Shameana with a single poled Tent fly over it, is in fact a single poled Tent, only with higher sides than usual. The outer fly is 24 feet square, the size of an ordinary 16 feet regulation Tent or it may be made a foot larger all round if needs be; or the Shameana, 23 feet square, just as is preferred. If a single poled Tent have 4 feet Verandahs, the spread of outer fly is $16 \times 4 \times 4$ or 24 as explained already. The principle, therefore and usefulness of the single pole are maintained while the advantage of space inside, ventilation and broad open or enclosed Verandahs, has been explained above. Large double poled Tents from their length at Top can rarely be pitched under Trees. The single poled top being a point, can be pitched under any large tree finding Room among the branches which is the case with my Tent also. The additional height is never found to be inconvenient if the Trees are ordinarily large ones.

HYDERABAD.

Carriage.—It is often found impracticable to carry a large outer fly of a double poled Tent if wet—but an outer fly of a single poled Tent causes no inconvenience to Camels. It is lighter indeed at all times and the Sybans to my Tent are laced on after the outer fly is pitched.

For pitching a double poled Tent, two sets of ropes must be named and the fly drawn up evenly. For my Tent there is only one rope and it is pitched as easily and rapidly as any single poled Tent of 16 feet square.

As there is additional height, so the centre pole must be of additional strength and this is provided by the maker of the Tent. The lower portion of the pole of my Tent is 6' in diameter. The side poles which for 24' square Tent, are 12 in number, may be as slight and light as can be contrived—in my Tent they were 3' in diameter and straight Bamboos will answer very well.

A Tent on the above plan was made for me as a Cutcherry Tent in 1853 and this is the fourth season of use. It has been severely tried in heavy rains and storms, and was in constant use during the early part of the monsoon of 1854 when in was necessary for me to be in the field. It has never leaked, has been always cool, and in crowded Cutcheries and in the hottest weather I have always found it a great comfort.

I think the same principle, that is of raising the sides and admitting a free current of air, and also of securing additional coolness by additional height, may be applied to all single poled Tents however small and to whatever style of Tent it is applied, the result would be the same in proportion and equally convenient and satisfactory.

For instance.—The smallest Tent made as a single poled, is 10 feet squares. Hill Tent—the walls of which are five feet high. If the side poles on my plan be nine feet, the curtain required will be 4 feet. The outer Sybans 8 feet long will give a verandah of 6 feet broad, which if enclosed would give a space inside all of 22 square feet or if Sybans on two sides only of 22 by 10 or in any way required.

In short that the principle can be applied to any single poled Tent, 10 feet square to 16 inside with the advantages detailed.

Additional height does not except the poles, necessarily involve additional carriage. My Tent with the Sybans, goes easily on three Camels which is the allowance for a 16 feet square Tent. The Sybans of my Tent are in fact equal in weight to the outer Kanats of the Regulation Tent. The only extras are the 12 poles and each Camel carries four as they are very light. If the Sybans are enclosed, the carriage is of course increased—but in any case the objection attached to the very heavy fly of a Double poled Tent is avoided.

The side poles should be in the following proportions.

24' Square.....	12 Poles.
18' Do.	8 do.
14' to 10' Do.	4 do.

HYDERABAD.

No. 5. of 1856.

To

E. G. BALFOUR, Esq.,

Secretary Committee, Madras Exhibition for 1857.

SIR,

I am directed by the Resident to submit for the information of the General Committee,* the following remarks upon the Natron Lake of Loonar, along with specimens of its natural products, in order, that the General Committee, who have kindly undertaken the task, may take the necessary steps for ascertaining the exact chemical composition and commercial value of the salt.

* Madras Exhibition of 1857.

DESCRIPTION OF THE LAKE OF LOONAR.

2. In the Circar of Meihker, Sowbah of Berar, about 45 miles N. W. of Hingolee, in Lat. 20° N. lies the curious Natron Lake of Loonar. It is situated at the bottom of a crateri-form depression, which forms a singular and unexpected interruption to the general gentle undulatory character of the district. The Lake is 510 feet below the level of the surrounding ground†—has

† As calculated in January last by the Aneroid, which, during the descent from the focus of the crater to the level of the Lake, rose 6-10ths of an inch, nearly 510 feet.

‡ For List vide Appendix No. 4, Extracted from Surgeon Bradley's Memoir.

a rounded outline and is about 3 miles in circumference. The sharp edge of the great excavation is about 5 miles round, and the inner surface of the bowl, rises abruptly at an angle of, from 75° to 80°. The surface of this sharp slope is covered with luxuriant vegetation, in the shape of trees,‡ and thick, vigorous underwood, tenanted by the Tiger, Hog, Panther, Deer and Peacock. Between the sloping bottom of the abrupt dip, and edge of the still, green, lake the ground, especially to the N. and N. E., is under cultivation; and the luxuriance of the crops, shews the excellence of the soil, and the abundance of the irrigation. Water is supplied freely from springs of sweet, soft water, close to the edge of the lake, and near the surface of the ground, as well as from the streams, which, in the rainy season, come from the surrounding water shed, and which have left their vertical traces upon the walls of the crateri-form hollow. Here and there; in the thick recesses of the wood, are observed small deserted and ruined Hindoo temples, built of the common compact trap of the district. Many years ago, an Officer, upon entering one of them, was seized and seriously injured by a Tiger. The lake, a still sheet of water, emitting an intolerable stench of Sulphuretted Hydrogen (especially during the heat of the day, when the gas rises in millions of bubbles to the surface of the water), has a bright green color, owing to the abundance of confervæ on portions of its surface, especially, near the edges. The mud close to the margins of the lake, is thick, black, salt and tenacious, from the mixture of Regur, Salt, and Alum. When dry, fan shaped, black, glassy crystals of carbonate of soda, are seen. The lake has evidently lately extended its bounds a good deal, as proved by this, that numerous dead trees are standing within its margin, (for every tree touched by the lake dies), and also by the fact, that a bowrie of sweet water, protected by a low wall is now completely surrounded by the water of the Lake. Reptiles, Fish, and Insects, are never found in the lake, but flocks of Teal and Duck dot its surface. The water has a salt and nauseous taste, and its emanations, are said to give rise to fevers of intermittent and remittent types.

At two points near the centre of the lake, distant from each other about $\frac{1}{2}$ a mile (judging by sight,) are two saline springs, which have never been known, even in seasons of extreme drought to become dry. It is supposed that the muriate of soda

from this source, coming in contact with the carbonate of lime found abundantly in the other springs of the lake, and in the surrounding rocks, whence it is washed down by the feeders of the lake, causes the deposition of the carbonate of soda or Natron salt, in a state of greater or less purity. The purest varieties, containing upwards of 50 per cent. of the neutral carbonate, being found close to the saline springs themselves, whence it is raised by diving. The depth of the lake near the springs, varies from 5 or 6 feet in the hot months, to 12 or 14 during the rains.

DESCRIPTION OF SALT.

3. There are six principal varieties of Salt, to which the natives give the following names. 1. Dulla—2. Numuck Dulla—3. Kupphul—4. Pappree—5. Bhoskee and 6. Mahd Kar. Dulla and Numuck Dulla are used for dyeing silks, fixing colors,—it is also used as medicine, and in the manufacture of bangles;—of Kupphul, there are two kinds, one of greater value than the other;—this salt is used in fixing the red dyes of cloth. Pappree

* There are two manufactories near the lake. When these are in full operation, bangles are manufactured in large quantities, each man being able to manufacture from 6 to 700 daily. The eyesight of these men fail soon, owing to the entire want of protection from the glare of the glass furnaces. Crystallized quartz is abundant.

is used in the manufacture of bangles,* in the baking of a cake called papur, and by the native hukooms as an antiaid in dyspepsia. There is also an inferior description of Pappree. Bhoskee is a white saline salt, left as a deposit on the margins of the lake, and is principally used in the manufacture of soap. Madhkar, is an inferior kind of Bhoskee, used by Dhobies in bleaching clothes. The purest salt is found close to the saline springs, and the other salts, in their order, as entered above, are found on receding from that point towards the margin of the lake.

SALT—HOW RAISED, TRANSPORTED AND SOLD.

4. The salt is raised by divers, who proceed towards the centre of the lake, in canoes (recently introduced by Major Johnston*) formed of single pieces of light wood,

* For much of my information, I am indebted to the kindness of Major Johnston, Deputy Commissioner of Southern Berars.

from 14 to 16 feet long and $2\frac{1}{2}$ broad. The divers remain under water several seconds, and come up with their hands full of salt. When the lake was very shallow in 1836, the salt was scooped up by the iron pans or towas, on which natives bake their bread, no dredging instruments are used. The process of raising the salt is rude, tedious, and insufficient. The salt thus raised is much prized, and finds a ready sale in both Berars, in Nagporc, Candeish and Poonah. It is purchased at the lake by dealers, who carry it to considerable distances in bamboo baskets, and retail it.

HISTORY OF THE LOONAR SALT TRADE.

Vide Appendix, No. 1.

5. The lake has not been worked regularly since 1836—twenty years ago, a detailed statement of the results then obtained, is appended for the information of the General Committee. From this carefully prepared table, it will be seen, that 2,136 candies of the several kinds of salt were raised; each candy being equal to 240 seers. The aggregate value of the whole being Rs. 60,081, of which sum, the Government (Native) share amounted nominally to 45,000. Since then, Major Johnston informs me, the lake has not been worked, and the salts are consequently in great demand, so much

* In pure carbonate of potass from burnt wood probably.

so, that inferior substitutes for the salts, supposed to be obtained from vegetable products,* are procured from Bombay and sold in both Berars. Last year (1855), Major Johnston, as, an experiment, raised from the Lake 35 Candies of the several descriptions of salt, the value of which amounted to Hyderabad Rupees 1,461-4, the expense of raising, &c. to Rs. 522-9-9, leaving a profit to Government, of Rs. 938-10-3, equal to about Rs. 26 per Candy.

SUGGESTIONS UNDER CONSIDERATION FOR ENHANCING THE REVENUE OF THE LAKE.

6. The suggestions which have been proposed for encreasing the productiveness and revenue of the lake, and which are at present under consideration, may be stated briefly to consist of,

1. Contrivances for preventing the flushing of the lake with water, supplied by the main feeder, and by the several streams from the surrounding water shed—such as bunds and channels.

2. Means for raising the salt with facility and in due quantity—such as dredging machines.

3. Means for procuring the salts in greater purity—such as evaporating pans.

4. Means for protecting and preserving the salt raised—such as sheds, store-rooms, &c.—with careful supervision by trustworthy Government Officials.

REMARKS ON THE GEOLOGY OF THE LOONAR LAKE.

7. In an able statistical memoir of the Circle of Meikher, drawn up by Surgeon Bradley of the Contingent, then on special duty, the opinion is re-advanced, and supported by Geological facts, that this singular and wild looking excavation, is the crater of an extinct Volcano. On this point, however, there exists amongst Geologists, I believe, some difference of opinion, so that the question may be regarded as still "subjudice." A jagged and picturesque rent exists in the N. E. wall of the supposed crater, down which runs the little stream which passes through a stone channel called the Cow's Mouth, forming part of a Hindoo temple which is perched romantically upon a spot near the top of the ravine; since the destruction of a weir too, during the rains, a large and deep nullah is filled with water which rushes down the ravine. The water as it passes over the almost vertical face of a trap well, deposits travertine in considerable quantity. Through this great rent, the lavic current is supposed by Surgeon Bradley to have found an exit, whence he supposes it to have spread over the surrounding country. Whilst descending the ravine, the rough natural section thus exposed shews trap rocks of various kinds, vesicular,

(* No Colimmar.)

compact and amygdaloidal* masses also of ferruginous trap, weathering red, are seen with seams of chalk, reddish ochre, clay and disintegrated trap—having all more or less of a stratiform aspect. During the Resident's recent tour to Hingolee, Loonar, Mominabad, Oodgheer and Beder back to Hyderabad, the whole route with the exception of the syenite and green stone near Hyderabad and the laterite plateau of Beder, lay over an uninteresting country of trap, to the entire exclusion of rocks of greater Geological and Paleontological character. In many places, the trap bears features precisely similar to those observed in the walls and rent of the Natron Lake. At times, the trap was in solid blocks with vertical seams and irregular horizontal rents—often seen in bowries; again,—it was amygdaloidal the nodules being imbedded in concentric laminae of disintegrated trap and argillaceous shale, the beds being laid over chalk, argillaceous schists,—marls, red ochre—green earth; again,—it appeared in rude but distinct strata, almost as regular as the layers of stones in a wall; again,—it appeared disorganized with seams, thick or thin, of chlorite, calespar, quartz and calcedony, in contact with marl; again,—it was seen in vertical shales, containing triangular fragments easily separable; again,—as vesicular trap, the cavities being sometimes distant and empty, at others close and filled with adventitious minerals; again,—it was solid, compact, and of a leaden black hue; again,—it was reddish and ferruginous; again,—where it underlies the laterite, it is commingled with that deposit, and where it slopes over the syenite boulders of that rock are imbedded in its mass—these, the Committee should be informed, are merely the personal remarks of an inexperienced Geologist. The same appearances, with a few exceptions; were observed at Loonar and in its neighbourhood. It appears to me, as if the rocks constituting the supposed crater were too compact, to have issued from a subaërial Volcano, though it is more than probable that this was one of the vents of the great eruption of the trap of the Deccan, which was at first effused,—it is supposed—under the pressure of water.

8. The points to which the attention of the General Committee is respectfully solicited in this reference, are, the following:—

- a. What is the exact chemical composition of the several salts?
- b. What is their commercial value, as now sent?
- c. Are the suggestions alluded to in para. VI. as under consideration, correct in their general principles? and,
- d. Can the salts at Loonar be profitably separated from each other, and if so, by what process or processes?

9. The following specimens are forwarded for examination.

1. Dulla.
2. Nimuck Dulla.
3. Khuppul.
4. Puppree.
5. Madkhar.
6. Khooskee.
7. Travertin.
8. Quartz used in glass making.
9. Glass prepared for the manufacture of Bangles.
10. 3 Bottles of water.

I have the honor to be,

Sir,

Your most obedient Servant,

GEO. SMITH, M. D.

Residency Surgeon.

HYDERABAD RESIDENCY, }
10th March, 1856. }

APPENDIX No. 1.

Statement of Salt extracted in Loonar Lake from Fusly 1252 or A. D. ¹⁸³⁶/₁₈₃₇ under the Nizam's Government.

[illegible]

DEPUTY COMMISSIONER'S OFFICE,
The 2d March, 1856.

(Signed) JAMES JOHNSTON, MAJOR.

Deputy Commissioner,

Southern Division, Berar Districts

APPENDIX No. 2.

Statement of Receipts and Disbursements on account of Salts extracted from the Lake of Loonar in the Months of April, May, June, and 20 days in July 1855, as an experiment.

RECEIPTS.			DISBURSEMENTS.			Amount in Hyd. Rupees.			Total.		
RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
35 Candies of Salt extracted from the Loonar Lake of the descriptions named, Dulla, Kuphull, Puppree, at Rupees 41-12 Annas per Candy of 340 Seers,	1,461	4	0	Paid to Divers being one-fourth (Charum) for extracting the Salt from the Lake agreeably to former usage,	365	5	0				
				Russosms to Zemindars on the Net produce at 5 per cent. agreeably to former usage,	47	8	0				
				Russosms to Putwarie on the Net produce at 2½ per cent. agreeably to former usage,	23	12	0				
				Pay to Khamdar for Superintendence, for the months of April, May, June and 20 days in July 1855, at 10 Rupees per month,	36	7	3				
				Purchase of three Canoes,	33	10	3				
				For ceremonies previous to diving agreeably to usage,	10	5	3				
				Making up to Cots to float on the Lake,	4	0	0				
				40 Baskets,	0	6	0				
				Scales for Weighing,	0	8	0				
				Hire to Weighers,	0	12	0				
				Balance carried to credit of Government,				522	9	9	
Grand Total Hyderabad Rupees...	1,461	4	0					938	10	3	
				Grand Total Hyderabad Rupees...				1,461	4	0	

DEPUTY COMMISSIONER'S OFFICE, }
The 2nd March, 1856.

(Signed) JAMES JOHNSTON, MAJOR,
Deputy Commissioner, Southern Division, Beaur Districts.

APPENDIX No. 3.

Analysis of Dulla Salt, by Mr. Reynolds, an Analytical Chemist of Clappam.

Extracted from Surgeon Bradley's Memoir—page 62.

DULLA.

Soda.....	32-0-8	} 67
Carbonic Acid.....	34-0-2	
Water.....	31	
Chloride of Sodium.....	2	
Aluminon a trace.		
	<hr/>	
	100	

67 of the Sesqui-Carbonate—equivalent to 56 per cent. of the neutral carbonate.

KHUPPUL.

Less soluble than Dulla—the equivalent of 52 per cent. of neutral carbonate being present.

LAKE WATER.

Specific gravity 1,059—(Bradley) Analysis of the Lake water (Malcomson) in 1000 grains.

Chloride of Sodium.....	29 grains.
Sesqui-Carbonate of Soda.....	4-2
Sulphate of Soda.....	0-1
Potass a trace.	
Specific Gravity.	

1. Of water from the Cow's Mouth.....	1,000	} at 85° Fr.
2. From Loonar Lake.....	1,060	
3. From Bowric of Sweet water in the Lake.....	1,000	
		(DR. SMITH.)

APPENDIX No. 4.

Trees found in the crata of Loonar (authority, Surgeon Bradley.)

- | | |
|------------------------------|------------------------------|
| 1. Sterculia Sereus. | 11. Conocarpus Latifolia. |
| 2. Boswellia Serrata. | 12. Layerstramia Parviflora. |
| 3. Erislea Tomentosa. | 13. Metia Azedorachta. |
| 4. Cochlospermum Gossypium. | 14. Butea Frondosa. |
| 5. Borassus Flabelli Formis. | 15. Dalbergia. |
| 6. Tamarindus Indica. | 16. Cathocarpus Fistula. |
| 7. Mangofero Indica. | 17. Banhinia Tomentosa. |
| 8. Anona Reticulata. | 18. Prosopis Spicijeri. |
| 9. Anona Squamosa. | 19. Acacia Smithinana. |
| 10. Mechelia Rheedia. | 20. Mimosa. |

- | | |
|---------------------------|------------------------------|
| 21. Poinciana Pulcherima. | 30. Celasburs Montana. |
| 22. Buchanania Latifolia. | 31. Zyzyphus (3 var.) |
| 23. Feroma Elephantum. | 32. Abrus Precatorims. |
| 24. Grevia Cucifolia. | 33. Ficus Indica. |
| 25. Helicteres Isora. | 34. Do. Rely Rosa. |
| 26. Capparis Horrida. | 35. Do. Flomerata. |
| 27. Combretum Aruminatum. | 36. Clerodendron Phlomordes. |
| 28. Clunates Gowriana. | 37. Dodonea Burmaniana. |
| 29. Flacourtia Sepiaria. | 38. Tectona Grandis. |

No. 14 of 1856.

To

E. G. BALFOUR, Esq.,

Secretary, Madras Exhibition for 1857, Madras.

SIR,

Under instructions from the Resident, I have the honor to forward to you, for submission to the Right Honorable the President and Members of the General Committee, a plan and section of the Loonar Lake,* in illustration of my former communication on this subject.

* Despatched in tin case - by banghy.

2. In the plan now submitted, the crater-form shape of the hollow is well seen, and if the opinion of some Geologists be correct, namely, that this hollow is the crater of an extinct volcano, the interest felt in it must be deepened by the fact, that, in all probability it is the only one in Southern India.

3. The action, however, even of a large crater-like this must have been comparatively limited; other vents and fissures, which have left no permanent mark of their existence must have given exit to those vast sheeted masses of porous and solid rocks, constituting the trappean plateau of the Deccan. This plateau overlying primary and secondary rocks to depths varying from a few feet to 300 probably, covered with a rich mantle of inexhaustible black soil, and capped here and there along its eastern indented edge with laterite patches, extends from 17° to 27° N. L., and from 72° 30' to 79° E. L.

4. It may be interesting to remark that at the South East angle of the plateau, the existence of numerous hot springs seems to indicate the persistence of igneous action. Taking Loonar as a centre, and with a radius of 150 or 200 miles, the quarter circle extending from the North East to the South East, will be found to include, (a) the tepid spring of Beder, rising from the base of a laterite cliff; (b) the hot springs at Kair on the Pain Gunga (87° Bradley) and, (c) the hot springs near Salbundec (102° Bradley) lying in a North Easterly direction.

I have the honor to be,

Sir,

Your most obedient Servant,

HYDERABAD RESIDENCY, }
6th June, 1856. }

GEORGE SMITH, M. D.
Secretary.

Resolved that a copy of this communication and Map be sent to the Professor of Chemistry, the School of Arts and the Madras Literary Society.

No. 17 of 1856.

To

E. G. BALFOUR, Esq.

Secretary, Committee Madras Exhibition for 1857.

SIR,

Some months ago the Resident, anxious to encourage the introduction of manufactures in flax into the assigned Districts, offered rewards for the best specimens of flax fibre,

and of the same time expressed a hope that when the native manufacturers became aware of the existence of a fibre in the linseed plant—a fact of which they have hitherto been entirely ignorant—they would follow up this knowledge by attempting to work the fibre into cloth.

2. Specimens of fibres have already come to hand—and one specimen of coarse canvass cloth which is deserving of notice, less as a manufacture than as a proof of what has been done, and as an earnest of what may yet be done with suitable encouragement in the Districts, is now submitted by the Resident to the General Committee. This specimen was prepared, under very unfavorable circumstances, by a native manufacturer, in Northern Berar.

I have the honor to be,

Sir,

Your most obedient Servant,

HYDERABAD RESIDENCY, }
2d July, 1856. }

G. SMITH, M. D.
Secretary.

No. 20 of 1856.

To

E. G. BALFOUR, Esq.,
Secretary, Madras Exhibition for 1857,
Madras.

POLITICAL DEPARTMENT.

SIR,

Under instructions from the Resident, I have the honor to inform you, that two bales of Hyderabad Cotton have been forwarded this day to your address by a cavady cooly.

2. According to reports of the Bengal Chamber of Commerce, the Cotton transmitted is of Sea Island Georgia stock.

3. The Resident will feel obliged by your obtaining from competent authorities an opinion regarding the value of this wool (if well got up) in the English market compared with indigenons Cotton, and with produce of the same stock grown in Southern India.

* Hyderabad Residency, 26th
March 1856.

4. Enclosed is a copy of a Memorandum* referring to the cotton wool now transmitted to you for the purpose above specified.

I have the honor to be,

Sir,

Your most obedient Servant,

HYDERABAD RESIDENCY, }
9th July, 1856. }

GEORGE SMITH, M. D.
Secretary.

MEMORANDUM REGARDING GENERAL LOW'S COTTON SEED, TRIED IN LIGHT RED SOIL AT UMBARRAPETT, NEAR HYDERABAD.

The seeds were sown in the beginning of June, at the first commencement of the rain at the distance of about 18 Inches from each other in lines two feet apart, to allow of the plants shooting and spreading out their branches without being checked or stunted by too close a proximity. They sprang up in 5 or 6 days, and in 75 days grew into trees of about four feet high with branches from top to bottom putting forth yellow blossoms succeeded by pods, which came to maturity in the course of about 45 days, and commenced bursting, disclosing a fine soft white wool. The pods were then picked and exposed to the sun, it having been thought proper to pick them as soon as they were burst, as otherwise the rain drops penetrating into them the cotton would have become discoloured and deteriorated in quality, but after the rains this mode of picking was dispensed with, and the cotton gathered in the field after it had been fully developed.

Sowing the seed at the distance above specified, $1\frac{1}{2}$ lbs. have been sufficient for one Beegah of land, the yield of which gathered from the beginning of October to the end of February is 275 lbs. cotton and seed, which latter being separated the result is $\frac{1}{4}$ cotton and $\frac{3}{4}$ seed. A further yield of about 150 lbs. of cotton with the seed may be expected from March to the end of May, which will complete the gathering for the first year.

The present crop having been raised upon red high ground, it will be necessary to water it at least twice a month during the hot weather to prevent the plants from perishing till the next year, in which we may expect double the return of the first by its becoming better acclimated.

Very low red grounds adjoining hills which are called "Jheels" are well adapted for cotton cultivation, where it will be very productive without absolutely requiring irrigation in hot weather, and where a crop will stand out for three years, yielding each progressive year double and even treble the return of the first.

In like manner in black low grounds in the vicinity of hills and rivers a crop of cotton will thrive well for three years without irrigation, and be equally productive as in the red soil above mentioned; but in black soil at a distance from rivers and nullahs or other means of irrigation, and depending entirely upon the rains, the plants after the first year's yield will perish.

There are different descriptions of cotton grown here varying from each other in their peculiar qualities, for instance the *Burra Kapuss* so called from its pods being larger, and the fibres finer and longer than those of the *Chota Kapuss*, of which the fibres are very short and coarse, and the *Dewa Kapuss* or sacred cotton which is scarce and is so called from its being used by the Brahmins from its fineness and length of fibre for their sacerdotal thread and for wicks in temples. On comparison of General Low's cotton with the *Chota Kapuss* which is properly the indigenous and that grown in any great quantity in the country, the single filaments or fibres of the former, far surpass those of the latter in their exquisite fineness and remarkable length. The seed of the former is large and heavy and comes clear off the cotton which adheres so thickly and firmly to that of the latter, that it is difficult to separate and dis sever it. But there is another difference which is particularly worthy of notice. One seer of the indigenous cotton with seed when ginned and weighed is said to give the seed and fibre in equal proportions, one half each; whereas the other gives $\frac{1}{4}$ fibre and $\frac{3}{4}$ seeds as before stated. This striking difference may be attributed to the largeness and solidity of these seeds compared with the indigenous which are small and light; but this deficiency, if it may be so considered in General Low's cotton seed is amply made up by its remarkable productiveness and staple quality and value of its wool, in which it surpasses all the species grown here, while it also has the advantage of being more fruitful as it becomes better accustomed to the soil. There is however very little difference between Dr. Riddell and General Low's cotton seeds, and in the cotton grown from them respectively as the accompanying specimens of both will show.

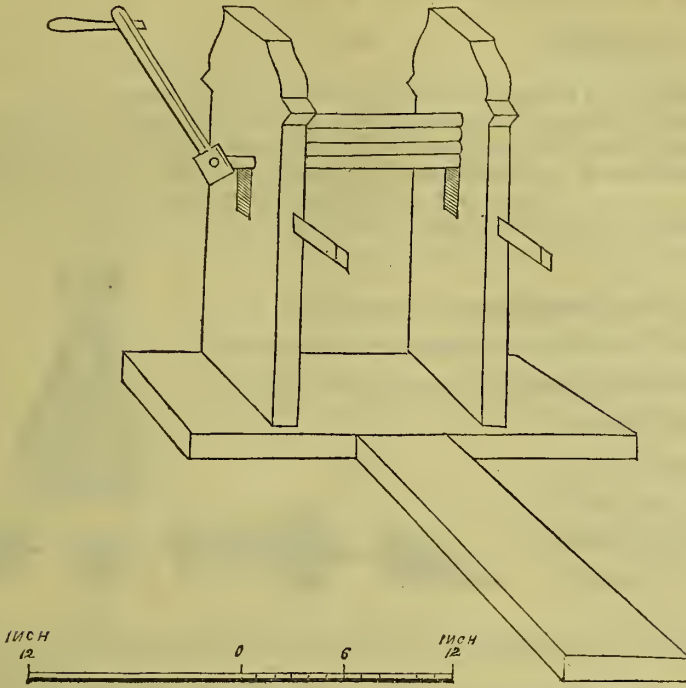
The method used in Hyderabad for separating the seed from the wool is also worthy of notice. As the cotton is not usually cleanly picked in the field, all fragments of the leaves, capsules, and stalks are carefully picked out previous to this operation. It is then spread out on a cot rattaned or platted with twisted rushes and thrashed with switches, when the minute particles of earthy or other extraneous matter still sticking to it fall through; but this process appears to be more particularly intended to loosen the wool from the seed to which it adheres in order to facilitate the operation of ginning. For this purpose the common churka or hand gin of which a sketch accompanies this Memorandum is used. It will be perceived that the instrument though rather clumsily constructed answers its purpose well, and being simple in every respect is peculiarly adapted to the village means and workmanship. The cotton is held at the two cylinders which are fixed in close contact, and more in opposite directions upon each other, by their ends on the right hand side being formed upon the principle of the Archimedian screw. The person employed at the operation (generally a middle aged woman) holds the cotton in one hand at the cylinders as above stated and turns the Machine simultaneously with the other—the cotton is thus drawn between the cylinders, the seeds unable to pass through are separated and repelled back by the motion of the cylinders and they fall down on one side of the instrument, while the wool in continuous lumps on the other without being in any way injured.

True Copy.

HYDERABAD RESIDENCY, }
26th March, 1856. }

(Signed) A. R. THORNHILL,
1st Assistant Resident.

Sketch of the "Churka" or Machine for separating the Seed from Cotton.



TUTENAGUE WORK OF BEDER.

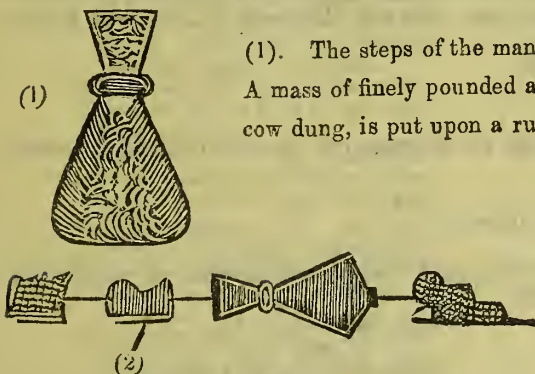
No. 4 of 1856.

To E. G. BALFOUR, ESQUIRE, SECRETARY,

MADRAS EXHIBITION FOR 1857.

SIR,—On passing through Beder about two months ago, I thought it would be well, to make a few enquiries into the mode of manufacturing the unique and elegant ware commonly called Beddery ; accordingly I procured two workmen, who, partly shewed and partly explained to me the several stages of the manufacture ; the information thus obtained may assist those desirous of imitating this beautiful ware.

II. Suppose the vessel to be made, resembles in form the common small hookah bottom



(1). The steps of the manufacture are as follows :

A mass of finely pounded and sifted old laterite dust mixed with cow dung, is put upon a rude lathe, and when dry is carefully turned into the correct shape. The lathe is rude and simple and is turned either by the hand alone, or by a short rope attached to a small piece of wood (2)

with the other hand the workmen holds a sort of chisel, with which he cuts and smooths the model.

III. The model thus carefully prepared, is next covered with a mixture of wax and oil boiled together (vide pattern) when dry, the whole mass is again turned, carefully thinned and smoothed.

IV. Over this coating is plastered a second layer of laterite dust moistened with water, but without cow dung—this coat is rough, and is not subsequently smoothed down (vide pattern.)

V. The next stage consists in boring two openings in the composite mould, and in placing it in the fire—the effect of this being to melt the intermediate layer of wax, and thus to leave a vacant space for the reception of the alloy.

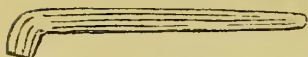
VI. Into this space is poured the alloy (consisting of copper 1 part and Pewter 4). The vessel has now a dull leaden look (vide pattern) ; it is hard, but easily cut. This model or shell is carefully turned and smoothed.

VII. Upon the smooth surface of this shell, the pattern is etched by hand, a small pointed graver (like the pattern of the chisel, but only sharper at the point) being used. This etching is done rapidly.

VIII. The workman next takes a small chisel and hammer (vide pattern of chisel), and following the lines of the pattern, cuts it deeply and expeditiously scooping out the tracings of the little leaves, &c., and leaving an indented but rough surface. This rough surface is next smoothed down by hammering gently with another blunt pointed chisel, and the space is then ready for the process of inlaying (vide pattern).

IX. Thin plates of very pure silver (vide patterns 4 and 5) are taken, and the little leaves are cut out with a small hammer and chisel—each little leaf is then raised separately by the chisel and finger Tip, and hammered gently but carefully into the depression intended for it. This part of the process is tedious. In the more durable kinds of Beddery ware silver wire is substituted for the silver leaf.

X. The vase in this state is rough and requires smoothing—this is done with a



common file and with a curved scraper (1) of a rude and clumsy form.

XI. The hole in the bottom of the vessel is filled up with lead and is smoothed down—finally the vase is gently heated, and whilst warm, it is blackened by the application of a powder (vide muster), supposed to consist of chalky earth and muriate of ammonia—this imparts a brilliant black polish to the shell, and careful hand rubbing brings out the lustre of the silver.

XII. The value of the ware depends upon the thickness of the silver inlaying—the common ware of the bazaars rarely lasts long. Inlaying is also executed in the same way with copper leaf, but the artistic effect I think, is inferior to the silver. The Price of a small hookah bottom like that described, varies in Beder, from 7 to 10 Rupees.

XIII. It might be worth the General Committees while to ascertain, if any intelligent workman at Madras would undertake to imitate this elegant and durable manufacture.

XIV. The following patterns are forwarded, they will illustrate, at the next Exhibition, the several stages of the manufacture.

1. The first dust and cow dung model.
2. The wax coating.
3. The rough compound model.
4. The shell—showing also the graving, the scooping out and the inlaying processes.
5. Half finished shell.
6. The cutting chisel.
7. The silver leaf—with an oral leaf cut out.
8. The polishing powder.

XV. I trust the General Committee will regard this communication as interesting, and the process as one deserving of attention.

I have the honor to be,

Sir,

Your most obedient Servant.

G. SMITH, M. D.,

Secretary,

Local Committee.

Hyderabad Residency, }
10th March 1856. }

HYDERABAD ASSIGNED DISTRICT.

**Muddim Hunnooma of Bhunnoo Raichore
Doale, Exhibitor.**

MEDICINAL PLANTS, &c.

9327 **Streevussegeda.** If the root of this be inclosed in a Talisman and worn on the body it will check bile.

Talecmurpooguddee. If the bulbons part of the root of this tree be ground to powder and mixed in flesh and then given to the tamed birds they will follow you wherever you call them.

Rajavirssiageda. If the root of this be worn on the head it will cure head ache.

Neltholguddee. If the root of this be ground to powder and taken with sugar it will cure Lumbago.

Kuttegurnagida. Do do with Bishop's weed it will cure syhpylis
Chendrakautigeda. Do do with sugar it will cure the fever in the bones.

Boochuckragudda. Do do with sugar and milk it will give strength.

Billagunjeegudda. If this is rubbed in lime juice and applied to the eyes it will cure ague.

Pooroosharntna. If the powder of the root of this tree be taken with sugar it will cure the pains about the legs.

Hoolguncheckkee. In case if any medicine was given internal or any raw flour taken inwardly, if the powder of this be taken with milk it will cause them to be thrown up.

Chittipallah. If the powder of this be taken with Pepper and Garlic (Powder) it will cure the fever caused by cold.

Rutnapoorsha. Do with sugar it will give strength

Daneekantree. If this is enclosed in a Talisman and tied round the head it will cure the pain of the eyes caused by cold

Kanuchomar. If this be taken with Bishop's weed it will cure the stomock pain

Sooryakanee. If the powder of this be taken with sugar it will cure billions fever

Ramagoola. Do do in honey it will cure asthma

Vistookantee. Do do with sugar it will cure Rhematic fever

Kirree Nellee. If the power of this be taken with Bishop's weed it will cure consumptive fever

Utchmahindee. Do do in Goat's milk it will make a man feel no pain whatever altho he has travelled for any distance

Bennutteeguddah. Do do in honey it will cure the acute Rheumatic pains in the sides

Puchareegeda. If this be enclosed in a Talisman man and tied to Childrens bodies no evil spirits will attack them

Setalivurree. If the powder of this be taken in milk it will give strength

Goormuddee. If this was rubbed with water and applied to venerial ulcers it will cure it

Uenee Kudlay. The powder of this if taken in milk it will cure Ghonorrea

Kondisree. If this is folded in a Betel and kept between the jaws, swallowing the juice thereof, it will cure caught

Murootanaguddee. If the powder of this be taken with sugar it will cure bloody Ghonorrea

Kempagungeelee. If this is rubbed in water and put into the nose it will cure the disease in it

Muyoorasiky. If this is burnt and mixed in honey and then applied to the eyelids it will cure the pains thereof

Junuavussia. If this is enclosed in a Talisman and tied to the body it will prevent the effects of evil eyes

Hebbavingeda. If the powder of the bark of this tree be taken with sugar it will cure the Rheumatic pains in the joints

Kypurvoola. If the powder of this be taken in cold water it will cureitch

Gootuthsaba. Do in warm water it will cure Lockjaw

Hulbee Bootaratchee. If this be burnt with Benjamin it will cast out evil spirits

Kudmuctah. If this is taken in milk it will give strength

Sahadaivee. If this powder is taken with Betel it will counteract the poison that has been swallowed up

Juldee Nararania. If this was burnt and mixed with cast or oil

HYDERABAD ASSIGNED DISTRICT.

and applied to ulcer on the navel
it will cure it

Kolhonnee. If this powder is taken
with the husk of Bishop's weed,
in cold water, it will cure the
inward fever

Moolasonda. If the powder of
this be taken in cold water it
cure consumptive fever

Kurra hickee. If this is mixed with
Garlic and applied to the middle
of the head in the shape of a
small round plate it will cure
lockjaw

Urnee Mullijee. If the powder of
this be taken in honey it will im-
prove the voice

Ahdoo Moottadageda. Do in water
it will cure the bite of a green
snake

Kurra Chittramoola. Do do spleen
Hirragoolud. Do in honey
it will cure any kind of cough

Unkoleed. If this is tied in a piece
of Cloth and worn in the body
it will guard against the influence
of the tales that may be told
against one

Kunerageda. If this together with
Benjancore be burnt it will re-
move the effects of the evil eyes
cast on children

Soolageda. If this is with
and sugar it will cure the Rhen-
matisin in the joints.

SUPPLEMENT TO HYDERABAD.

Captain M. Davies Superintendent of
Police North Berar Exhibitor.

- 9314 Cotton Model churka loosen the
top screws to work it.
- 9315 Do. small.
- 9316 Piece of aloe fibre canvas.
- 9317 Do. Of creeper plant called
Doodee.
- 9318 Bag of quill Salep from adjunta
range of Hills.

- 9319 Bundle of Twine from aloe fibre.
- 9320 Do. Of Twine from straw of the
"Poe" plant.
- 9321 Piece of Cloth and thread from Dr.
Reddells cotton seed.
- 9322 { Bulbons root } from Adjunta Hills
{ Tuberos root }
- 9323 Wild Boar's Tasks.
- 9324 Piece of Gum of the Mowee Tree
not "Mowah."

KURNOOL.

Nabob of Banaganapilly Exhibitor.

LACQUERED WARE.

- 1 One Laquered Charpae 33 11-0
- 2 One do Rs. 33-11-0 do
- 3 One do Almirah 32-0 0 do
- 4 Chaka Fibres and Cords.
- 5 Chaka putta.
- 6 Chaka Cloth.
- 7 Benda Fibres.
- 8 Palmirah Fibres.
- 9 Date Fibres and Cord.
- 10 Hemp Fibres.
- 11 Ganja Fibres.
- 12 Madoopoo Fibres.
- 13 Yapa Fibres.
- 14 Goag Fibres.
- 15 Yanyga Calabuntha Fibre.
- 16 Yerca Fibres.
- 17 Crippler Fibres.
- 18 Plantain Fibres.
- 19 Wild Plantain Fibres.
- 20 Goagoo Fibres.

- 21 Fibres.
- 22 Cloth.
- 23 do.

LOCAL COMMITTEE EXHIBITORS.

MATTING.

- 24 Mat Rs. 1-14
- MINERAL KINGDOM.
- 25 Lithographic slab Rs. 5
- 26 Lithographic do. 2.
- 27 Slab.
- 28 Stone.
- 29 Stone called Bulpum, 1st sort.
- 30 Stone from the Village Nundial.
- 31 Stone called Bulpum 2d sort.
- 32 Copper stones, Gunny.
- 33 Indigo, from Bundiatour.
- 34 Stone from the Village of Baithem cheroo.
- 35 Stone called coorontha.
- 36 Amica Abruck.
- 37 Iron stones from Chinnadaivalagroom.
- 38 Wrought Iron from Cumbalore.
- 39 Galeva.
- 40 Raw Iron.
- 41 Stone called soonnamooky.
- 41 Saltpetre 1-4-0.
- 42 Coloured skins 7-0-0.
- 43 Almirah 32-0-0.
- 44 Large Tray 4-0-0.
- 45 do. do.
- 46 Small do.
- 47 Small do. 1-8.
- 48 Inkstand 2-0-0.
- 49 Inkstand 2-0-0.
- 50 A pair of Shoes 3-2-8.
- 51 A pair of slippers 7-0-0.
- 52 A pair of slippers 5-0-0
- 53 Cap. } 20-0-0.
- 54 Jacket. }

Blacksmith Tooljeram, Exhibitor.

- 56 Tiger face sword called Abbasee Rs. 100.
- 57 Sword called Khandah Rs. 50.
- 58 Sword Elephant faced handle Rs. 100.
- 59 Sword called Abree Abbasse Rs. 40.
- 60 Sword Sorabee Rs. 60.
- 61 Sword Abbasee Rs. 40.
- 62 Sword Asscel Rs. 40.
- 63 Poniard Bunk Rs. 20.
- 64 Knife Karabee Rs. 15.
- 65 Steel cap called Tope Rs. 50.
- 66 Steel cap Rs. 40.
- 67 Steel breast and back plates called Charina Rs. 15.
- 68 Gauntlets Dustana ea. Rs. 15 or 30.
- 69 Steel Jacket Rs. 100.
- 70 Horse Bit Rs. 5.
- 71 Coarse Steel Jacket Zeerah Rs. 15.
- 72 Do. do. do Rs. 15.

Zeengur Venkojee, Exhibitor.

- 73 Peacock Punkah Rs. 5.

Captain J. G. Russell, Exhibitor.

- 74 Peacock Punkah Rs. 4.
- 75 Peacock Punkah Rs. 4.

Head Dewan, Venket Row.

- 76 Painted Fan Rs. 4.
- 77 Painted do. Rs. 3.

Jemadar Mosum Khan Exhibitor.

- 78 Painted Fan Rs. 3.

Ramasawmy, Goodoor Exhibitor.

- 79 Woman's cloth silk Rs. 25-7.
- 80 Woman's do. do. Rs. 18-4.
- 81 Woman's do. do. Rs. 15-8

Captain J. G. Russell Exhibitor.

- 82 White Cumbly Rs. 3.

Masum Saib, Exhibitor.

- 83 Horse Bit Rs. 3.
- 84 Kaucha Rs. 1
- 85 Purumb As. 12.
- 86 Water Bridle As. 4.
- 87 Colored Tape As. 8.
- 88 White Do. As. 4.
- 89 Iron Plough As. 10.

KURNOOL.

Sowcar Ramasawmy Exhibitor.

- 90 Woman's cloth Rs. 3-8.
- 91 Do. Rs. 3-3.
- 92 Do. Rs. 3-3.
- 93 Do. Rs. 2.

Ghoolam Saib Exhibitor.

- 94 Turband Rs. 5-8
- 95 Turband Rs. 4.

Joharry Hussen Mahomed.

- 96 Soojny Rs. 6.
- 97 Do. Rs. 4.
- 98 Do. Rs. 4.
- 99 Carpet Rs. 3.

Captain J. G. Russell, Exhibitor.

- 100 Black Cumby Rs. 2 8.

SUPPLEMENT TO KURNOOL.

8073	Tocham Kusos 1. Kacha seer As. 8.	8135	Tirmas As. 8.
8074	Halila Kabili As. 4.	8136	Mahmira Rs. 1-4.
8075	Choooolullas As. 8.	8137	Bahmuni soofed As. 10.
8076	Furfeun As. 8.	8138	Kosht As. 3.
8077	Todari soofed As. 8.	8139	Uka kia As. 3.
8078	Hoot ki siya As. 2.	8140	Rusuth Rs. 1.
8079	Hing As. 6.	8141	Mentphal As. 2.
8080	Zira kirmani As. 4.	8142	Unni spoon As. 3.
8081	Tochum Kunooha As. 1.	8143	Taj Ps. 9.
8082	Todari Soorch As. 8.	8144	Unnah As. 4.
8083	Gool Resta As. 8.	8145	Jungli Badam.
8084	Gokhira Hoord As. 1-5.	8146	Hubool far 1 tola Rs. 2.
8085	Bahmuni soorch As. 12.	8147	Sapista Rs. 1.
8086	Ajowau Horasani As. 4.	8148	Tachum Konch As. 4.
8087	Bullila	8149	Aloo Buchara As. 4.
8088	Iagundunagoori As. 2.	8150	Frangjimish As. 4.
8089	Tochum Balungoo As. 6-6.	8151	Joehum Talmukana As. 2.
8090	Pipplian As. 3-6.	8152	Moordar sing As. 2.
8091	Hulila Zurd.	8153	Badam Talch As. 2.
8091½	Jamal Ghotta As. 3-6.	8154	Churdul soofed As. 3.
8092	Samurpillas As. 4.	8155	Tochum Shubut As. 1 4.
8093	Dumulachivain Rs. 2.	8156	Goolnar As. 8.
8094	Sont As. 2.	8157	Philphel siya As. 2-8.
8095	Indeijaw As. 2.	8158	Gool soorch As. 3.
8096	Charman Kagond As. 1.	8159	Salpurnel As. 3.
8097	Majoophul As. 6.	8160	Jauzboya Rs. 1-2
8098	Sarsaparilla As. 3.	8161	Hufuralihood Rs. 1-4.
8099	Moosli Siya As. 3.	8162	Numuk sendha As. 2.
8100	Chernita As. 4.	8163	Plaspapura As. 2.
8101	Dalchini Sulani As. 6.	8164	Kumela.
8102	Ral As. 2.	8165	Sazuja Udsi Rs. 1.
8103	Filfel soofed As. 4.	8166	Churnoob Rs. 1.
8104	Kikur ka Gonda As. 2.	8167	Ukilulinrolk As. 8.
8105	Moosli soofed As. 2.	8168	Tochum Chaksoo As. 2.
8106	Isbaghol As. 1-2.	8169	Tochum Chiar As. 4.
8107	Katira Gond As. 3.	8170	Tochum Kuddoo As. 1-6.
8108	Jaoshir Rs. 1.	8171	Post Duracht Maulsar.
8109	Ghota Ghutta Rs. 2.	8172	Tochum Charbooya As. 1-8.
8110	Unzurroot As. 4.	8173	Tochum Kasni As. 2.
8111	Zirki As. 3.	8174	Nila Tota As. 5.
8112	Piplamor As. 4.	8175	Aaliba Myghonty As. 2.
8113	Zungsurmachi Rs. 2.	8176	Nishasta As. 2.
8114	Kaknaj Rs. 1.	8177	Papurkhar As. 2.
8115	Kundoor As. 2.	8178	Badian As. 1.
8116	Ukur kura As. 4.	8179	Koochla As. 1-8.
8117	Suckmoonia Rs. 1-8.	8180	Malkunguni As. 3.
8118	Hulila siya As. 1-6.	8181	Tochum Kurfas As. 4.
8119	Badian Chutayi As. 3.	8182	Badawurd Rs. 1.
8120	Sang sullajit As. 2.	8183	Kuzmazuj As. 1-8.
8121	Jutamasi As. 4.	8184	Sipistan As. 1-8.
8122	Salub Misri As. 2.	8185	Tochum Hunduna As. 4.
8123	Tigra As. 4.	8186	Tootiyar Sullak As. 8.
8124	Uftimoon As. 4.	8187	Bartung As. 1-8.
8125	Behdana As. 8.	8188	Sunna Muki As. 2.
8126	Hubulzam As. 8.	8189	Tocham Chitmi As. 4.
8127	Girdah sumak Rs. 1.	8190	Usluboos As. 2.
8128	Mochurs Rs. 1-2	8191	Shahudanunj As. 1.
8129	Mastuki Rs. 1-4-4.	8192	Goob Ghafus Rs. 8.
8130	Rutta soofed As. 4.	8193	Loban Soofed As. 8.
8131	Bajbaud As. 8.	8194	Tochum Guzur As. 2.
8132	Pista As. 4.	8195	Gool Bunufsha Rs. 1.
8133	Dana Illachi As. 4.	8196	Zurnab As. 2.
8134	Rubusoos Rs. 1.	8197	Chooob Kulau As. 4.

8198 Khurdmana Rs. 1.
 8199 Numuk siye As. 1.
 8200 Tochum Petha Rs. 1.
 8201 Tochum Kangni As. 2.
 8202 Chushchush siye As. 4.
 8203 Gawzuban As. 6.
 8204 Tubashir Rs. 1-4.
 8205 Sat Galao As. 8.
 8206 Sungreza As. 1-6.
 8207 Nirmali As. 1-6.
 8208 Gool Gawzaban As. 1.
 8209 Choob Kilkil As. 4.
 8210 Tochum Churjah As. 1-6.
 8211 Jochum Chubazi As. 4.
 8212 Ilujir As. 4.
 8213 Bech foolaba Rs. 1-8.
 8214 Unnaboosaleb As. 3.
 8215 Shubeamani As. 3-8.
 8216 Buzrelbung As. 4.
 8217 Tochum Humaz As. 2.
 8218 Hira Acshush As. 1.
 8219 Tochum Kitram 1 Tola As. 2.
 8220 Akrot Rs. 2.
 8221 Tochum Jyrji As. 1.
 8222 Gokhroy Kulan As. 1.
 8223 Googul As. 1-4.
 8224 Eliva As. 2.
 8225 Sundul As. 2.
 8226 Birbuhooti 1 Tola As. 4.
 8227 Duroonug Ukiubi As. 8.
 8228 Hili Zeri.
 8229 Nawsagur As. 1-4.
 8230 Mungith As. 4.
 8231 Gharikoon As. 2.

8232 Chul Ghoza Rs. 1-4.
 8233 Shukad As. 2.
 8234 Booloot Rs. 2-8.
 8235 Regkami 1 Tola Rs. 1.
 8236 Guli Kubursi As. 1.
 8237 Sundul Soorch As. 1.
 8238 Tochum Kanwul Rs. 1.
 8239 Gool Kiloofur As. 8.
 8240 Egur Ghurchi Rs. 1.
 8241 Bumuk Kanch As. 2.
 8242 Kulannyi As. 2.
 8243 Shir Chisht Rs. 4.
 8243½ Belpul.
 8244 Gool Bel.
 8245 Saduj Hindes.
 8246 Badraj Boya As. 4.
 8247 Shatra.
 8248 Ajwayun.
 8249 Shuka kul Misri 1 Tola As. 2.
 8250 Zutaawundigird 1 Tola As. 1.
 8251 Burg Biriani.
 8252 Kusondi As. 1.
 8253 Churela Rs. 2.
 8254 Jawarishoodtoorsh 1 Tola Rs. 53.
 8255 Noushdaroosadah 1 Tola As. 1.
 8256 Luboob Kubir 1 Tola As. 3.
 8257 Mufurabarid 1 Tola As. 3-4.
 8258 Sherbet Nilofur 1 Seer As. 8.
 8259 Sherbet Nugoos 1 Seer As. 8.
 8260 Sherbet Ananus Rs. 1-8.
 8261 Sherbet Abreshum As. 2.
 8262 Belkiburfi Rs. 6.
 8263 Urn Badian 1 Bottle As. 4.
 8264 Goolab 1 Bottle Rs. 1.

MADRAS

Is represented by a very miscellaneous collection of Articles. It possesses no special or peculiar raw products either mineral or vegetable, and though in the various villages of which the Town is composed, manufactures are carried on to a limited extent, they are not of such a nature as to give it much claim to attention. The chief manufactures are Common Cloths and Handkerchiefs, Pottery ware and Ropes : it possesses also oil mills, several tannery and dyeworks, and there are various other trades scattered up and down but none carried on to such an extent as to call for much notice.

It is as the seat of Government, as the Metropolis of Southern India, and the principal Sea Port on the East Coast of the Peninsula that it is chiefly noticeable. In regard to the last mentioned feature, it is not necessary to enter deeply into details, for which reference must be made to "The Report on the External Commerce of the Madras Territories for the Official year 1855-56." It will be sufficient to say, that notwithstanding the unfavorable nature of the coast, the want of a pier, and the expense of transporting goods in the Two Ton Massulah Boats, by which all communication with the shipping is carried on, there has been an increase in Imports since the preceding year of Rs. 33,24,920.

Under the 1st Section, that of Raw Materials and Produce, may be specially mentioned a very interesting assortment of Sugars, Rice, Wools, Silks and Cottons from different parts of the world, the property of the Chamber of Commerce, and a large collection of drugs, vegetable, mineral, and animal, exhibited by Dr. Jesudasen, N. S., the list of which it has been necessary to postpone printing, owing to its length and the late period at which it was received.

There is also a neatly arranged series of indigenous dye stuff, exhibited by Francis Appavoo, Botanical Assistant, Medical College.

Section No. II, "Machinery," is perhaps the one most fully represented, the various Government Establishments and the Railway Company being the chief contributors. Large and well assorted collections of tools and machines, some of which are so arranged as to be worked, form the contributions of the Arsenal, the Gun Carriage Manufactory and the Railway, and the Government Printing Office sends an American press, and a machine for taking proofs, both of which will be occasionally at work. Under this head also may be included a few Engineering Models exhibited by Mr. R. Kennedy and others, a series of Models from the Artillery Depot at St. Thomas's Mount, and three machines for driving punkahs with water power.

Section III is also well represented, and in this the department of Manufactures, there are more Native Exhibitors than in any other. There will be found a great variety of Cloths both for men and women; Arnee and other Muslins; Jewellery and Cabinet work. The School of Industrial Arts has produced a large and varied assortment of pottery both for useful and ornamental purposes, and Mr. Deschamps exhibits some very handsome furniture and carved work. It may here be noticed that the Lotus Flower Stand No. 5087 exhibited by The Hon. Sir Christopher Rawlinson was made by Capauley Aucharry of Venoyagur Street, Triplicane, at a cost of Rs. 250. A very interesting table having reference to the Ropes exhibited by the Arsenal is subjoined, shewing the relative strength of Country and English of various thickness, and, along with these, are specimens of the fibres from which the Country Ropes are made.

Report on certain Specimens of Rope made from the Sun Fibre, in the Arsenal of Secunderabad, and tested comparatively with Europe Rope of the same size last received from England, both in a dry state and after being saturated with water for 24 hours.

ROPE, SUN FIBRE.										ROPE, EUROPE.											
AS RECEIVED.					AFTER TRIAL.					BEFORE TRIAL.					AFTER TRIAL.						
Length.	Yards.	lbs.	Ozs.	No. of threads to each strand.	Dry.			Wet.			Length.	Yards.	lbs.	Ozs.	No. of threads to each strand.	Dry.			Wet.		
					Weight sustained on breaking.	Length.	Dimensions.	Weight sustained on breaking.	Length.	Dimensions.						Weight sustained on breaking.	Length.	Dimensions.			
5	47½	104	0	33	4½	48½	4½	8524	47½	4½	18½	7628	4½	0	39	18½	9084	18½	4½	43**	
3½	52	63	0	25	3½	52½	3½	5424	50	3½	21½	4920	3½	0	18	22½	4477	22½	3½	* The Sun Fibre Rope 5 Inch. has 4 strands 33 threads each, whereas the 5 Inch. Europe Rope only 3 strands of 36 threads, being 132 threads for the former and 117 for the latter.	
3	53½	41	0	16	2½	54½	2½	4080	51½	3	19½	3365	2½	0	14	20	3861	20	2½		
2	53	21	0	8	1½	53½	1½	1639	51½	2	20½	1532	2	0	10	20½	1990	20½	2		

The Sun Fibre Rope 5 Inch. has 4 strands 33 threads each, whereas the 5 Inch. Europe Rope only 3 strands of 36 threads, being 132 threads for the former and 117 for the latter.

REMARKS.—The Artillery Gyn has been used—under pressure—22½ feet.

Both kinds of Rope by the Weights they sustained shew good results. On a former occasion, when testing Rope made of Sun Fibre at Secunderabad, it was remarked, "The Fibre appears good, and under skilled management might make good strong Rope." The result as above shews that it has sustained the opinion then formed of it. The Rope is much harder, well twisted, and much better made than the former Specimens received from Secunderabad.

ARSENAL, FORT ST. GEORGE,
21st January 1857.

Under Section IV. Sculptures, Models and the Plastic Art, may be noticed a few very good oil paintings, a considerable number of photographs, and one or two sculptures and casts, as well as a collection of coins of Southern India, the most complete, it is believed, that has ever been made, exhibited by the Hon. Walter Elliot, Esq., and a smaller one of various countries, the property of Lieut. H. P. Hawkes.

Taking a general view of all that has been effected, the Local Committee look with some degree of satisfaction at the result of their efforts, and they are not without hopes that considerable good may be effected by the occasional (but not too frequent) repetition of these Exhibitions, a result in which they, in common with all who are engaged in the work, will find an abundant reward for all their labors.

MADRAS, 12th February, 1857.

LOCAL COMMITTEE.

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MADRAS.

MR. CHARLES SIMEON, EXHIBITOR.

4748 Treatise on Hindu Castes, Rs. 1.

R. RIDDELL, Esq., EXHIBITOR.

4749 Manual of Gardening for Western and Southern India.

MR. WILLIAM HAYDON, EXHIBITOR.

4750 American Cotton, }
Green seed Cotton, } Grown at Tripagooly,
Cuddapah Cotton, } Conjeveram.
Bellary Cotton, }
4750½ Cholun Tree with 9 branches and seeds.

MR. W. BOALTHE, EXHIBITOR.

4751 Three dozen silk handkerchiefs, Rs. 1-2, each.

Y. MOORAGASEM MOODELLIAR, EXHIBITOR.

4752 Book of drawings on talc, Rs. 4.

MADRAS GOVERNMENT, EXHIBITORS.

4753 Model of a Sircy Cart made at the Gun Carriage Manufactory.

CHARACTER OF THE CART.—“A species of conveyance much in use at Sircy, and which has attracted considerable attention on the part of the Government on account of the unfavorable mention made on all sides of its detrimental effect on the Public thoroughfares of the District.”

“Carts of this description are constructed in the Towns of Kittoor and Hoobly of the Dharwar District. The cost varies from Rs. 20 to 24 per Cart, according to the height of the wheels and thickness of Tire. The height of the wheel varies from 1½ to 2½ feet in diameter, the Tire being generally from 1 to 1½ inches thick.”

“The wood of the “Hona Mura” is in most repute for wheels, but as it is often hard to get it of sufficient size, the wheels are very frequently made up in 3 separate pieces, which are shaped and fitted together.”

“These Carts are said to continue service-able some 30 or 40 years.”

“As much as 70 Maunds and upwards of Cotton are piled on a single Cart and drawn by 2 or 3 pairs of Buffaloes or oxen.”

“These rude uncouth vehicles possess no merit or advantage over the neater looking and more modern Bandy in general use along our thoroughfares.”

(Signed) J. D. ROBINSON,

Sub Collector of Canara.

4753½ Model of a V Cart made at the Gun Carriage Manufactory.

CHARACTER OF THE CART.—Carts of this pattern were originally invented by the late Captain S. Best of the Engineers, and they are highly recommended by the Sessions Judge of Chingleput for use with Convicts on account of the advantages

they possess over the Common Country Carts in the following instances :

1st, They are much lighter.

2nd, More easily drawn and managed.

3rd, Do not require new Baskets as the old muster did.

4th, They carry fully one third more.

5th, They are more easily loaded and unloaded ; and, lastly, after repeated trials, it was found that in consequence of these advantages, 4 men with these V Carts could in a day convey fully double the quantity of broken stone or gravel, that 6 men could with the old Carts, and the Prisoners prefer working in the V Carts to working in the old ones which are the usual Bullock Bandies with heavy Poles and Yokes.

The price of each Cart is about 5 Rupees more than the ordinary Bullock Bandies and can be made up at Chingleput from 40 to 42 Rupees.

It is recommended that the sides where the shafts are fixed should be made of Teak wood Planks 2 inches thick, the rest 1 inch thick. The axles not having any wooden Bed should be stronger than the ordinary Bullock Bandy Axles, and the whole should be banded together with common iron hoop- ing.

THE MADRAS MILITARY BOARD, EXHIBITORS.

Country Tools purchased from the Bazars.

	R.	A.	P.
4754 Adze, Iron, Carpenter, ...	0	14	0
4755 Bit, Drill, ...	0	2	0
4756 Chisel, Country Carpenter's 1½ Inch	0	7	0
4757 do. " " 1 " "	0	6	0
4758 do. " Mortice ¼ " "	0	3	6
4759 do. " " ⅜ " "	0	4	6
4760 do. of sizes, ...	0	4	0
4761 Compasses, Iron, Carpenter's...	0	6	0
4762 Drill Bow, ...	0	2	0
4763 Drill with Socket, ...	0	3	0
4764 Driver's Screw, ...	0	4	0
4765 Gauge Carpenter Common, ...	0	1	0
4766 Hammer hand with handle, ...	0	5	0
4767 Mallet, wooden ...	0	1	6
4768 Plane, Rabetting ½ inch, ...	0	3	6
4769 do. " ¼ " " "	0	3	6
4770 do. " 1 " " "	0	3	6
4771 do. Hollowing, ...	0	3	6
4772 do. Iron, Carpenter, ...	1	6	0
4773 Rule, wooden, Carpenter, 3 feet, .	0	1	6
4774 Saw, hand ...	0	10	0
4775 do. Tenon, ...	0	8	0
4776 Square, Carpenter, wooden large,...	0	3	0
4777 do. " " small	0	1	6
4777½ Sharpening Block ...	0	1	6

SUB CONDUCTOR GEORGE STEVENSON, EXHIBITOR.

Articles made at the Gun Carriage Manufactory.
Intrenching Tools.

	R.	A.	P.
4778 Axe, Pick, Country 10 lbs....	1	10	9
4779 do. " " 5 " ...	0	15	8

MADRAS.

	R.	A.	P.		R.	A.	P.
4780 Axe, Pick, Country, Miner's, with helves, Europe 10 lbs. ...	2	1	4	4827 Driver, Iron ...	0	7	7
4781 do. „ „ „ 5 lbs. ...	1	4	5	4828 Hammer, Brass ...	2	6	11
4782 Bar Tamping Brass 3 feet. ...	6	4	4	4829 Howel... ..	0	14	3
4783 do. Iron Steel pointed 24 lbs... ..	1	4	1	4830 Jointer without Iron, ...	2	4	2
4784 Crow Iron, Common, 1st Size 25 lbs.	2	15	7	4831 Vice Iron	0	2	4
4785 do. „ „ 2nd „ 12 lbs., ...	1	6	10	4832 do Brass	0	6	4
4786 do. „ Miner's Europe 19½ lbs. ...	1	15	9½	<i>Armourer's Tools.</i>			
4787 do. „ Common, large weigh- ing 22½ lbs. Europe, ...	2	9	10½	4833 Brace, Armourer's and Gun Makers without bits,...	2	1	6
4788 do. „ „ Medium „ 16 lbs. ...	1	13	6	4834 Hammer Rivetting Europe 2 lbs. ...	0	7	6½
4789 do. „ „ Small „ 12 lbs. ...	1	8	5½	4835 Do. do do 1 „ ...	0	1	8
4790 Hammer hand, Europe Pattern 3½ lbs.	0	14	0	4836 Pincers Iron Common, ...	1	0	11
4791 do. „ „ „ 2½ lbs. ...	0	13	1	4837 Do. do Cutting,	1	1	2
4792 do. sledge „ „ 14 lbs. ...	2	9	2	4838 Plyers Common,	0	15	6½
4793 do. for breaking stones large 13 lbs.	1	13	11	4839 Do. Cutting or Gun Makers, ...	1	6	9
4794 do. „ „ „ small 3 lbs. ...	0	9	1	4840 Vice hand, Iron, Europe, ...	1	12	7
4795 do. „ „ „ 2 lbs. ...	0	6	6½	<i>Smith's Tools.</i>			
4796 do. Rivetting Europe Pattern 12 oz.	0	4	10	4841 Chissel cold,	0	15	0
4797 do. sledge Country 14 lbs ...	1	15	11	4842 Do. Rod,	0	7	6
4798 Hook Bill Europe Pattern, ...	1	7	5	4843 Compasses, Iron, Callipers Smiths with sweep 8 inch, ...	1	9	10
4799 Jumper Iron 1st size 34 lbs. ...	5	0	10½	4844 Drills for Smiths 1½ inch,...	0	8	2
4800 do. „ 2nd „ 23½ „ ...	3	10	10	4845 Do. „ „ 1½ „ ...	0	7	10
4801 do. „ 3rd „ 21 „ ...	2	13	7½	4846 Do. „ „ 1 „ ...	0	7	6
4802 Mamoty Country 10 lbs. ...	1	15	5	4847 Do. „ „ ¾ „ ...	0	6	10
4803 Mamoty do. 5 lbs. ...	1	3	10	4848 Do. „ „ ¾ „ ...	0	6	6
4804 Mamoty Wudder's,	0	10	8	4849 Do. „ „ ½ „ ...	0	6	2
4805 Mamoty Country, Col. Ottley's pattern.	1	6	5	4850 Do. „ „ ½ „ ...	0	5	6
4806 Needle, Priming, Copper, large 3 feet 5 Inches,	1	10	8	4851 Do. „ „ ¾ „ ...	0	5	2
<i>Carpenter's Tools.</i>				4852 Do. „ „ ¼ „ ...	0	4	10
4807 Awl Brad with handles, ...	0	5	3	4853 Hammer hand Europe 6 lbs. ...	1	1	8
4808 Compasses, Iron, Carpenter's Cooper's and Millwright's with sweep 12 inch... ..	1	7	1	4854 Do. do do 4 lbs. ...	0	12	6
4809 Do. do. do 6 „ ...	0	13	4	4855 Do. do do 3 lbs. ...	0	11	5
4810 Driver Screw Carpenter's,...	0	13	2	4856 Do. do do 2½ lbs. ...	0	9	2
4811 Gauge Carpenter Common Europe,	0	6	8	4857 Do. Setting Smiths,...	0	9	8
4812 do. Mortice Carpenter's do.	1	7	11	4858 Do. Sledge. 14 lbs. ..	2	7	4
4813 Hammer Claw Europe with han- dles,	1	14	9½	4859 Do. do 12 lbs. ...	2	2	11
4814 Do. with Turnscrews,...	2	1	0	4860 Do. do 9 lbs. ...	1	10	0
4815 Plane Jack (without Irons), ...	0	14	10	4861 Do. Wrench,...	5	14	11
4816 Do. Smoothing (do do)	0	11	4	4862 Tongs,	0	13	9
4817 Do. Rabetting 1½ inch (do do)	0	10	2	4863 Wrench, Iron, for Nut Screw, ...	1	14	6
4818 Do. do. 1 do (do do)	0	9	11	<i>Engraver's Tools.</i>			
4819 Do. Trying (without Iron)	1	2	3	4864 Engravers for brass (10 per set,) ...	1	7	3
4820 Letter steel for Saws Hand, ...	0	11	6	4865 Do Iron (10 per set,) ...	1	2	2
<i>Coopér's Tools.</i>				<i>Turner's Tools.</i>			
4821 Adze, Brass	4	3	3	4866 Gravers, Turner's,	0	10	1
4822 Do. Iron do Europe,...	1	11	3	<i>Mason's Tools.</i>			
4823 Crow do. with stock large,...	3	3	7	4867 Hammers Iron, Stone Cutter's Axe Faced 15 lbs.	2	15	6
4824 Do. do do do Medium, ...	2	4	5	<i>Sawyer's Tools.</i>			
4825 Do. do do do do Small ...	1	13	8	4868 Setters Steel for Saws pit, ...	0	13	6
4826 Driver Brass	3	3	7	<i>Miner's Tools One Set Complete No. 1.</i>			
				<i>No. in a set. ft. in. R. A. P.</i>			
				4869 1 Bar Tamping Brass, ...	2	1	3 12 2
				4870 2 Bars Pincing,	4	7	3 6 10
				4871 2 Bits Troy,	1	7	2 4 1
				4872 2 Boreers with Steel points, ...	1	0	1 0 7
				4873 2 Do. do	1	6	1 3 10

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						R.	A.	P.
4874	2	Borers with Steel points,	2	0	1	7	4	
4875	2	Do. do	...	3	0	1	14	0
4876	2	Do. do	...	4	0	2	5	0
4877	1	Drag with worm,	...	3	0	0	3	6
4878	6	Gads Steel 1st Size,				4	2	0
4879	6	Do. 2d ,,				3	1	6
4880	6	Do. 3d ,,				1	15	6
8481	2	Hammers Hand Miner's Boarding,				1	13	3
4882	2	Do. ,, Loading,				1	3	8
4883	1	Do. Sledge,				3	1	10
4884	4	Jumpers Iron, ,, ...	5	9	12	9	8	
4885	4	Poles Pick, ,, ...	1	3	4	15	7	
4886	1	Scoop Spoon Iron,	1	5	0	4	1	
4887	2	Shovels Iron Mining,				1	15	6
4888	2	Tompions Iron (Flat at both ends) 3 feet,				1	12	10
4889	2	Wedges Melding Iron large 13 Inches,				2	12	8
4890	2	Do. ,, ,, small 11 In.				2	3	8
4891	1	Wire Priming Copper 3 ft. 2 ,,				1	4	9
4892	2	Mallets, Wooden				0	12	3
						61	10	1

Country Tools.

4893	Adze, Iron, Carpenter's, ...	1	1	0
4894	Bits, Drill,	0	5	9
4895	Chissel, Country, Carpenter's, 1 Inch,	0	8	2
4896	Do. do. do. $\frac{3}{4}$ do.....	0	6	$7\frac{1}{2}$
4897	Do. do. Mortice. $\frac{1}{4}$ do.....	0	5	7
4898	Do. do. do. $\frac{3}{8}$ do.....	0	6	2
4899	Do. of Sizes,	0	11	3
4900	Compasses, Iron, Carpenter's, ...	0	12	2
4901	Drill Bow,... ..	0	3	5
4902	Drill with socket,	0	3	0
4903	Drivers Screw,	0	3	7
4904	Gauge, Carpenter's Common,...	0	1	5
4905	Hammer hand with handle... ..	0	6	10
4906	Mallet, wooden	0	3	0
4907	Plane Rabetting $\frac{1}{2}$ inch,	0	6	2
4908	Do. do. $\frac{1}{2}$ do.....	0	6	2
4909	Do. do. 1 do,	0	6	8
4910	Do. Hollowing,	0	6	2
4911	Do. Iron, Carpenter's,	1	13	9
4912	Rule wooden, Carpenter's, 3 feet	0	2	10
4913	Saw hand,	1	5	0
4914	Do. Tenon	1	1	8
4915	Square Carpenter's wooden large...	0	3	8
4916	Do. do. do. small	0	2	1
4917	Sharpening Block,	0	2	10

Miscellaneous Articles.

4918	Block Gin Iron with brass sheaves treble.	36	4	8
4919	Do. do do double..	28	5	4
4920	Do. purchase wooden single with friction Rollers 6 Inch,...	1	9	0
4921	Do. ,, ,, double ,, 6 ,, ...	2	15	0
4922	Do. ,, ,, double ,, 7 ,, ...	3	5	3
4923	Do. ,, ,, single ,, 7 ,, ...	1	12	6

		R.	A.	P.
4924	Block Gin Iron purchase wooden double with friction Rollers 8 Inch,	3	10	7
4925	Do. ,, ,, single ,, 8 ,, ...	1	14	4
4926	Do. ,, ,, double ,, 9 ,, ...	4	2	3
4927	Do. ,, ,, single ,, 9 ,, ...	2	4	1
4928	Do. ,, ,, single with brass sheaves 5 inch, ...	1	8	10
4929	Do. ,, ,, double ,, 5 ,, ...	2	15	0
4930	Case for Quadrant Spirit Gun,	1	15	1
4931	Drifts Fuze 13, 10 & 8 inch. 2 in a set (one set).....	1	2	2
4932	Do. ,, 13, 10 & 8 ,, 3 ,, ,, (one set)	1	9	3
4933	Do. ,, $4\frac{2}{5}$, ,, 2 ,, ,, (one set)	1	5	8
4934	Do. ,, $5\frac{1}{2}$, ,, 3 ,, ,, (one set)	2	1	10
4935	Fracture Cradle,.....	8	12	8
4936	Figures for marking Horses, 9 in a set,	7	15	0
4937	Gauges, Iron, for shot H. and L. 6 Pr. (2 in a set).....	2	9	6
4938	Gauges, Iron, for shot H. and L. 9 Pdr. (2 in a set),	2	11	11
4939	Do. do. do. Shells H. and L. $4\frac{2}{5}$ inch (2 in a set),.....	3	2	10
4940	Do. do. do. H. and L. $5\frac{1}{2}$ inch (2 in a set),	3	3	4
4641	Hand Cuffs, Spring lock, Country; Pair,	2	14	4
4942	Do. do. Europe	2	10	4
4943	Iron priming small,	0	7	0
4944	Do. do. large,.....	0	8	7
4945	Do. Suspension wheel with brass nave,	105	10	7
4946	Liston's double inclined Plane, ..	6	0	0
4947	Padlocks, Iron, single $2\frac{1}{2}$ inch....	1	14	9
4948	Do. ,, ,, 3 ,, ...	1	15	1
4949	Do. ,, ,, double $2\frac{1}{2}$,, ...	2	6	10
4950	Do. ,, brass single $3\frac{1}{2}$,, ...	3	13	0
4951	Do. ,, do. double $3\frac{3}{4}$,, ...	4	15	5
4952	Do. drawer with key,	1	14	10
4953	Do. Door Brass 8 inch,.....	9	3	10
4954	Do. do do 10 do,.....	12	7	6
4955	Do. Almirah, brass,.....	1	8	1
4956	Letter for marking horses,.....	0	13	8
4957	Pincers Fuze Brass.....Pair.	2	6	2
4958	Palms hand Steel,.....	0	4	8
4959	Spikes Gun Merline small,.....	0	2	1
4960	Do. ,, ,, large,.....	0	12	9
4961	Do. ,, Sping,	0	4	8
4962	Do. ,, Round,.....	0	1	8
4963	Do. ,, Ragged,.....	0	1	8
4964	Spade, English,.....	2	2	3
4965	Wrench, Iron for Sights,.....	0	7	3

SUB CONDUCTOR T. W. SKINNER, EXHIBITOR.

4966	Five dials on one pedestal, ... Rs.	6	10	0
4967	Philosophical Balance, ..	42	11	8
4968	1 set Geometrical solids for sale,	30	0	0

(The above made at the Gun Carriage Manufactory.)

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SERJEANT J. HAYES, EXHIBITOR.

		R.	A.	P.
4969 Improved Racket Brace,	Rs.	8	15	0
4970 Padlock, Pistol Flint,		2	13	10
4971 Micrometer shell Gauge 10 inch,		5	8	6
4972 Do. do. 8 inch, ...		4	11	5
4973 Model of oil press, horizontal double screw $\frac{1}{2}$ d size,		22	2	4
(Price of the full size, Rs. 278-12-6)				
4974 Padlock with tumblers,		1	14	4
4975 Pistol revolver on Colt's principle,		19	3	2
4976 Screw key new pattern to take 4 sizes, viz. $\frac{3}{4}$, 1, $1\frac{1}{4}$ and $\frac{1}{2}$ inch-nuts,		2	2	6
4977 Garden Shears,		2	8	6
(The above made at the Gun Carriage Manufactory.)				

SUB OVERSEER DAVOOD, EXHIBITOR.

4978 Iron Cheek of a ten inch How- itzer Carriage,	Rs.	375	15	6
(Made at the Gun Carriage Manufactory.)				

FOREMAN W. REYNOLDS, EXHIBITOR.

4979 25 Fire Bricks made of hard clay	Rs.	0	9	8
4980 25 Do. do. do. soft do. ...		0	7	5
(Made at the Gun Carriage Manufactory.)				

FOREMAN B. ROBINSON, EXHIBITOR.

4981 6 Hinges (brass) cast entire with the joints without fitting or filing, Rs.	8	10	5
<i>(Made at the Gun Carriage Manufactory.)</i>			

SERJEANT W. CHALK, EXHIBITOR.

4982 Box Lock with key (made at the Gun Carriage Manufactory.)				
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This lock is constructed on a peculiar principle of perfect safety, and it is sent to the Exhibition with the view to test the same by challenging any one to pick it.—The key is in the possession of the Local Committee and will be handed by them to the Jurors.

P. RAYAPPA PILLAY, NAZARETH, EXHIBITOR.

4983 1 Phial Oma Oil,	Rs.	1	0	0
4984 1 Pint Native Ink,		0	2	0
4985 Fibres and leaves of Palmirah, ..		0	1	0
4986 Palmirah root flour (1 packet)...		0	4	0

ASSISTANT SURGEON J. M. MACLAGAN, M. D. BENGAL ESTAB: EXHIBITOR.

4987 1 set Ivory Chessmen.				
4988 1 set Ivory figures.				

J. T. MACLAGAN, ESQ. EXHIBITOR.

Photograph Protraits by Tunny of Edinburgh.

4989 David Maclagan, M. D., Physician to the Forces, Surgeon to the Queen &c.				
4990 Mrs. Maclagan.				
4991 John Parker, Esq., Principal Extractor of re- cords in the Courts of Council and Session of Scotland.				
4992 Seven smaller likenesses.				
4993 Piece of Gibraltar Rock, cut and polished.				

GHOOLAM KADR, EXHIBITOR.

		R.	A.	P.
4994 Model of a ship full rigged,..	Rs.	35	0	0
4995 Model of a cutter do. do.,		14	0	0

T. CHOCALINGUM, EXHIBITOR.

4996 6 Silver Spoons,	Rs.	100	0	0
4997 1 Gold Jadapillay,		70	0	0

W. E. COCHRANE, ESQ., EXHIBITOR.

4998 Enamel Portrait of His Majesty George III.				
4999 Enamel Portrait of Her Majesty Queen Char- lotte.				

The above were presented by George III to H. H. the Nabob of the Carnatic.

STEPHEN LAZAR, ESQ., EXHIBITOR.

5000 1 Case of Indigo.				
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C. YACAMBARUM IYER, EXHIBITOR.

5001 6 Bottles Berar Hair Oil, Rs.	1-2	per bottle.
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MR. A. T. JAFFREY, EXHIBITOR.

5002 <i>Herbarium of Indian Vegetables</i> (98)	Rs.	30.
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Abelmoschus esculentus.	Emblca Officialis.
Achryanthus aspera.	Ficus racemosus.
Æschynomene aspera.	Foeniculum vulgare.
Agati grandiflora.	Gisekia pharnaceoides.
Alternanthera sessilis.	Glinus trianthemoides.
Amaranthus tenuifolius.	Hibiscus sabdariffa.
Do. spinosus.	Do. surattensis.
Do. campestris.	Hoya viridiflora.
Do. tristis.	Ipomæa sepiaria.
Do. polygamus	Do. reptans.
Do. oleraceus.	Do. reniformis.
Do. atropurpureus.	Lablab vulgaris.
Amorphophalus campanulatus	Lagenaria vulgaris.
Andropogon esculentum.	Do. pipo.
Aerna lanata.	Leucas aspera.
Artocarpus integrifolius.	Mangifera Indica.
Asystasia Coromandeliana.	Momordica charantia, var. mu- ricata.
Atriplex heteranthera.	Momordica charantia.
Batatas edulis.	Morinda umbellata.
Bauhinia albid.	Moringa pterygospermum.
Do. purpurea.	Musa sapientum.
Bergera Koenigii.	Nelumbium speciosum.
Bœrhavia procumbens.	Ocymum villosum.
Bryonia coccinia.	Oxalis corniculatus.
Byttneria herbacea.	Pisonia morindifolia.
Caladium esculentum.	Portulacca oleracea.
Capsella bursa-pastoris	Portulacca quadrifida.
Capsicum frutescens.	Premna integrifolia.
Do. minimum.	Do. serratifolia.
Capparis brevispina.	Paophocarpus tetragonolobus.
Caralluma adscendens.	Rivea fragrans.
Carica papaya.	Rothia trifoliata.
Cleome pentaphylla.	Rumex vesicaria.
Do. viscosa.	Solanum incertum.
Cocos nucifera.	Do. melongena.
Commelina communis.	Do. Lycopersicum.
Coriandrum sativum.	Sonchus oleraceus.
Cucurbita maxima.	Spinacia oleracea.
Do. citrullus.	Spondias mangifera.
Do. ovifera.	Stellaria media.
Cucumis usitata.	Suœda Indica.
Cyamopsis psoraloides.	Tamarindus Indica.
Cynodon dactylon.	Trianthema obcordata.
Dillenia speciosa.	Tribulus terrestris.
Desmanthus natans,	Trichosanthes anguina.
Dioscorea purpurea.	Vitis quadrangularis.
Do. aculeata.	Webera tetrandra.
Dolichos ensiformis.	Zizyphus jujuba.
Erythroxylon areolatum.	
Euphorbia pilulifera.	

MADRAS.

5003	Indian Fibres.	
Abelmoschus tetraphyllus.	Erioloeua Candollea.	
Do. ficulneus.	Gmelina arborea.	
Eleazendron anfructuosum.	Turnera trioniflora.	
Crotolaria juncea.	Cocos nucifer.	
Abutilon tomentosa.	Musa sapientum.	
Do. Indica.	Sansiveria Zeylanica.	
Do. sp.	Agave Americana minima.	
Cordia obliqua.	Do. do. variegata.	
Thespesia populneus.	Banhiuia Richardiana.	
Althca rosea.	Do. purpurea.	
Borassus flabelliformis.	Do. diphylla.	
Pandanus moschatus.	Do. tomentosa.	
Agave Americana.	Anona reticulata.	
Yucca gloriosa.	Ficus religiosa.	
Asclepias (syn. Calotropis)	Uvaria longifolia.	
gigantea.	Adansonia digit at.	
Sida Mysorensis.	Sterculia alata	
Furcraea gigantea.	Yucca aloifolia	
Hibiscus rosa siensis.	Ananassa sativa.	
Do. sp.	Vernonia anthementica.	
Do. lampas.	Thevitia nerifolia.	
	Morus Indica.	
Hibiscus Suratensis.	Tecoma capensis.	
Guazuma tomentosa.	Hoya viridiflora.	
Helicteres Isora.	Hancelia pateus.	
Sida acuta.		Total 50.
pathodea adenophylla.		

Dye Wood.

5004 3 pieces and chips of Fustick (Maclura Tinc-
toria.)

THE MADRAS SCHOOL OF INDUSTRIAL ARTS, EXHIBITORS.

5005	Samples of Pottery.	
Jars	Jars for Chemicals	
Square Jars	Chatties, plain and glazed	
Cylinders for Galvanic batteries	Milk pans	
Funnels	Bowls	
Beakers	Plates	
Sandbaths	Cups and Saucers	
Filter stands	Dishes	
Evaporating dishes	Butter Pots	
Covered boxes	Butter Coolers	
Cells	Goglets	
Crucibles	Flower pots	
5006	Four Screens covered with Lithographs.	

Models.

5007	Brake for cleansing fibres.	
5008	Wheel for raising water (in brass.)	
	(MADE BY R. KENNEDY, Esq.)	
5009	Wheel for raising water (in wood.)	
5010	Copperplate printing press.	
5011	Stone Cutter's hammer and chissels.	
5012	Gutta Percha, sent by Captain R. Roberts.	
5013	Iron Ores, „ Lieut. C.E. Bates, 16th N.I.	
5014	Dodonea Viscosa Por- } T.B. Roupell, Esq.	
	tia & other wood }	
5015	Coal from Labuan	
5016	Coal from Nellore Dist. Colonel Faber.	
5017	2 Baskets of Pottery } Dr. G. S. Smith.	
	from Raichore }	
5018	1 Box Galina or Lead } Captain Russell.	
	ore from Kurnool }	

LT. COL. McCALLY, EXHIBITOR.

Models.

5019	Two Buffing Mills.	Rs. 11 8 & 1 8 0
5020	One Tanning Mill.	„ 20 0 0

5021	One Rice Mill.	Rs. 12 0 0
5022	One Barley Mill.	7 0 0
5023	One Bark Mill.	2 8 0
5024	Two Wheat Mills.	3 8 & 1 8 0
5025	One Battering Ram.	1 8 0
5026	One Chinese pump.	12 0 0

R. KENNEDY, Esq., ASST. CIVIL ENGINEER,
EXHIBITOR.

5027	One Chunam Vase, native workmanship.
5028	One bottle containing a gilt temple with figure of Rajah seated in Chair of State— native workmanship.
5029	Machine suitable for driving punkahs, with water for motive power, and direct recip- rocating action.

Models.

5030	Bridge across the Canal on Guindy Road.
5031	Lattice Timber Bridge across ditto, about 1½ miles south of Guindy Road.
5032	Intended foot bridge.

All these bridges are 60 feet span, the models
are roughly made as guides to the workmen.

R. BURGASS, Esq., EXHIBITOR.

5033	2 Mameluke Swords with Damascus blade and silver scabbards.
5034	1 Burmese Sword with silver scabbard.
5035	1 Do. do. „ brass „
5036	1 Couteau de chasse with „
5037	1 Chain coat of Mail, Affghan.
5038	1 Head & face do. do.
5039	4 Daggers with sheaths.
5040	1 Stand with 30 swords.
5041	1 Turkish Axe.
5042	1 Caffre knob keerie Rhinoceros horn.
5043	1 Short Bayonet.
5044	1 Dagger.
5045	2 Caffre Assegays.
5046	3 Samblre Antlers, large.
5047	1 Pair Buffaloe horns.
5048	1 Saw of Sword Fish.
5049	1 Pair of Gems bok horns.
5050	1 Model of boat with sliding keel.
5051	2 Japanese Candelabra.

THE MADRAS SCHOOL OF INDUSTRIAL ARTS, EXHIBITORS.

5052	Fossils from Sedrapett, sent by A. Hall, Esq.
5053	17 large Photographs, do. Lieut. Col. C. A. Denison.
5054	22 small do. do. do.
5055	Fossils of the Gypsum Series from Ennore.
5056	Set of 10 Lithographs of heads in imitation of chalk drawings.
5057	Set of 8 sporting coloured prints after Her- ing.
5058	Machine for cleaning fibres.
5059	Machine for making ropes.

PAULAVANY RUNGIAH NAIDOO, EXHIBITOR.

5060	Bead work.
	1 Cot with curtains.
	2 Sofas.

MADRAS.

- 2 Chairs.
2 Boxes.
1 Box in 3 parts.
1 Chocataloo with glass beads and 2 dice.
1 Doonthee.
2 Boxes Goomatum.
5061 Condapillay balanced on a pole.
5062 16 Lace Bangles.
5063 *Drugs used by Mussulman Doctors.*
Sattravuthoo. Thookmaprachoo.
Panosh. Soolathava.
Voochkathooch. Muroo seeds.
Soopa-soosh. Suchunnuntha.)
Anoosun. Motharooth.)
Apapulsan. Puthoooreepath.
Cashur seeds. Cacunchoo.
Red Oomash. Nunnaree roots.
Oodrengan. Sinniaeeonthoo.
Cathera. Picha.
Vissvunthoo. Casoosh.
Paupoona. Sooroonsah.
Aeeceeloomoolk. Malooccalce.
Appa Aul. Sumaacoo.
Patharcheeepoa. Sash root.
Theothrashoopath. Vash thoorgie.
Shathushoo. Pamanasookoo.
Caroopuchoo seeds. Caroopooovooash.
Appoolachoo. Mookalaarashok.
Pamunsoopath. Voongoorthoo.
Paroothungoo. Salookosha.
Moollangee seeds. Cacooshooshur.
Theothashoorukkoo.
THE HON. WALTER ELLIOT, ESQ., EXHIBITOR.
5064 Case of old pottery.
5065 Case of *Crania*.
5066 4 pieces of carved marbles.
5067 1 box of copper sasunums.
These copper grants are curious for their antiquity and are of great value from the unique historical facts they contain.
5068 Bronze statuette of Mercury.
MESSRS. ASHTON, RICHARDSON & Co., EXHIBITORS.
5069 12 bags of Coffee grown on Shevaroy Hills, Salem.
5070 3 bags. Wheat. do. do. do.
MR. G. PLEBST, EXHIBITOR.
5071 Corund Polisher made at the German Mission Press, Mangalore.
MR. P. ANTHONY, EXHIBITOR.
5072 Pair of artificial flowers in pith, colored, on flower pot stand.
GHOOIAM MAHOMED, EXHIBITOR.
5073 5 Specimens of varnishing on Maple wood.
EDWARD BALFOUR, ESQ., EXHIBITOR.
5074 4 Straw hats, 12 as. 6 as. 6 as. and 4 as.
5075 50 yards' plaited straw made from Palmyra leaf of which hats are made, 12 as.
J. ROHDE, ESQ., EXHIBITOR.
5076 One grain bruiser.
H. W. PORTEOUS, ESQ., EXHIBITOR.
5077 4 Portraits on pastiles by M. Serr.; Bolonge.
5078 Portrait in oils by Sir Joshua Reynolds.

- Mr. B. DAVIES, EXHIBITOR.
5079 7 Teak Blocks of sizes Rs. 0 4 0 per inch
5080 2 Specimens of Water proof cloth,..... 2 0 0 per yard
5081 3 „ Table covering 2 14 0 „ „
5082 Velvet cap worked in gold in glass case.
5083 Shark's jaw in glass case.
MESSRS. BINNY & Co., EXHIBITORS.
5084 2 Samples Coffee from Santawerry, Nuggur District of Mysore.
VEERASAWMY, HAVILDAR, F. Co. 12TH N. I., EXHIBITOR.
5085 Brass Tray in two parts used for Beetle nuts at festivals Rs. 10
T. SAWMY CHITTY, EXHIBITOR.
5086 Set of Geometrical Figures.
THE HON. SIR C. RAWLINSON, EXHIBITOR.
5087 Lotus Flower stand of native workmanship.
MESSRS. WALKER & Co., EXHIBITORS.
5088 17 Specimens of Indigo.
MAJOR J. G. BALMAIN, EXHIBITOR.
5089 Specimen of cotton weighing 75 tolas.
5090 Black Cumblie made by Hunmoona Koorbur of Goodlanoar Talook, Coonoor, 15ft. long by 5½ wide.....Rs. 20
THE ARSENAL FORT ST. GEORGE, EXHIBITORS.
5374 Adze, Brass, Cooper's.
5375 „ Iron, Carpenter's Europe Iron and Steel.
5376 „ „ „ Country „ „
5377 „ „ „ Europe Steel entirely.
5378 „ „ „ „ „ Iron and Steel.
5379 „ „ „ „ „ Country „ „
5380 „ „ „ „ „ English Steel entirely.
5381 Axe, Broad.
5382 „ Felling.
5283 „ Hand 4¼.
5384 „ „ 2½.
5385 „ „ 2½.
5386 „ Felling, American Pattern.
5387 Auger, Iron, Carpenter's 1¼ Ins.
5388 „ „ „ 1 „
5389 „ „ „ 7/8 „
5390 „ „ „ 3/4 „
5391 „ „ „ 5/8 „
5392 „ „ „ 1/2 „
5393 Awl Brad, Europe Iron and Steel (4)
5394 „ „ „ Country „ „ (4)
5395 „ „ „ English Steel. (4)
5396 „ „ „ Country „ „ (4)
5397 Brace, Smith's with 3 Bits.
5398 Chissel, Carpenter's Socket 1½ Ins.
5399 „ „ „ 1½ „
5400 „ „ „ 1¼ „
5401 „ „ „ 1 „
5402 „ „ „ 3/4 „
5403 „ „ „ 5/8 „
5404 „ „ „ 1/2 „
5405 „ „ „ 1/4 „
5406 „ Cold (3)

MADRAS.

5407 Driver, Brass, Cooper's.	5462 Shuttle cotton.
5408 " Iron "	5463 Cotton Gin, Europe.
5409 Ghurry Metal.	5464 " " Country.
5410 Hammer Claw (2)	5465 Pistol Revolver, Colt's.
5411 " for Breaking Stones Large 13lbs.	5466 Musket Rifle Percussion with Bayt. Bore 5.77
5412 " " " " Small 3 "	of 1853.
5413 " " " " " 2 "	5467 Shot Heating Machine complete.
5414 Hammer Hand 6 lbs.	5468 " Round Iron Loose 32 Pdr.
5415 " " 4 "	5469 " " " " 32 "
5416 " " 2½ "	5470 Cramp spring for Locks, Percussion.
5417 " " 2 "	5471 Fife B.
5418 " Rivetting 1 "	5472 " C.
5419 " " 12oz.	5473 Horn Bugle, Common.
5420 " Iron Stone Cutters Axe Faced 15lbs.	5474 " " Light Infantry
5421 " Braziers of Sorts (one set of 24.)	5475 Nipple wrench, new Pattern
5422 " Sledge Country Pattern 19lbs.	5476 Trumpet Cavalry Musical
5423 " " " " 14 "	5477 Tache Sabre
5424 " " English " 14 "	5478 Pouch ammunition
5425 " " " " 12 "	5479 Axe, Pick, Country, 10 lbs.
5426 " " " " 9 "	5480 " " " " 5 "
5427 Hook Bill, Davy Jones' Pattern.	5481 " Cutting Laterite stone
5428 Joiner Cooper's with Iron.	5482 Iron Country Beypore Flat 2½ Ins. lbs. 21
5429 Plane Jack.	5483 " " " Bolt 1⅜ " " 40
5430 " Smoothing.	5484 " " " Square 1⅜ " " 33
5431 " Trying.	5485 " " Palnad. " 10 ⁵ / ₁₆
5432 Plough for Cutting Straps of Leather.	5486 " " Cuddapah " 6 ¹ / ₈
5433 Scale Copper with Beam 4lbs.	5487 Steel, Country Vellore (6 pieces.) " 2 ¹ / ₁₆
5434 " " " " 1 "	5488 Axe, Paring Laterite stone.
5435 " Brass with Beam Stand and 10 Brass	5489 Borer, Miner's 4 feet.
weights to weigh Letters.	5490 " " 3 "
5436 Stamp of Letters 26 per Set.	5491 " " 2 "
5437 " " Figures 9 " "	5492 " " 1½ "
5438 " with Device for Stamping weights and	5493 " " 1 "
Measures (2)	5494 Bar Pinching Miner's.
5439 Vice, Iron Hand (Bangalore.)	5495 Bit Tray, "
5440 " " " (Vellore.)	5496 Bar Tamping Brass Miner's.
5441 " " Cooper's Lever.	5497 Clipper, Rose Large.
5442 Weight, Brass 56lbs.	5498 " " Small.
5443 " " 28 "	5499 Drag with worm, Miner's.
5444 " " 14 "	5500 Fork, Garden.
5445 " " 7 "	5501 " Hay.
5446 " " 4 "	5502 " Dung.
5447 " " 2 "	5503 Gad steel Miner's.
5448 " " 1 "	5504 Hammer Hand Miner's.
5449 Set of weights (10) viz. 4lbs. 2lbs. 1lb. 8oz.	5505 " Sledge.
4oz. 2oz. 1oz. ½oz. ¼oz. ⅛oz.	5506 Hand Cuff Country Spring Locks.
5450 Weight, Brass Indian Maunds Standard one	5507 Hoes Garden with handles.
of 3,200 Rupees.	5508 Jumper Iron Miner's.
5451 Weight, Brass Indian ½ Maund standard one	5509 Mamoty Country, 10 lbs.
of Rs. 1600	5510 " " 5 "
5452 " " " ¼ " " one	5511 " " 6½ " Col. Otleys's Pattern
of Rs. 800	5512 Pole Pick Miner's
" of 2½ Maunds or one cand.	5513 Reel, Garden, Iron
5454 " " 1 Maund	5514 Rake, Iron, Garden with handles
5455 " " ½ "	5515 Shovel, Iron, Miner's
5456 " " ¼ "	5516 Scoop Spoon, Iron, Miner's
5457 " " 1 Viss	5517 Shears for Box Hedges
5458 " " ½ "	5518 Tompion Iron, Flat at both ends
5459 " Brass ⅓ "	5519 Trowel, Garden, for banking
5460 Set of weights (7) viz. Polloms 5.3. 2. 1. ½. ¼. ⅛.	5520 Wire Priming Miner's Copper
5461 " " (3) viz. Tola 1. ½. ¼.	5521 Wedge Medling Miner's.

MADRAS.

5522	Fork, Cast Steel, Garden, Europe, belonging to J. Rhode, Esq., Inspector of Prisons.	
5523	Chissel, Carpenter's Firmer	1 $\frac{3}{4}$ Ins.
5524	" " "	1 $\frac{1}{4}$ "
5525	" " "	$\frac{7}{8}$ "
5526	" " "	$\frac{3}{4}$ "
5527	" " "	$\frac{5}{8}$ "
5528	" " "	$\frac{3}{8}$ "
5529	" " Mortice	1 $\frac{1}{2}$ "
5530	" " "	$\frac{3}{8}$ "
5531	" " "	$\frac{1}{4}$ "
5532	" Turner's Tapering	2 "
5533	" " "	1 $\frac{3}{4}$ "
5534	" " "	1 $\frac{1}{2}$ "
5535	" " "	1 $\frac{1}{4}$ "
5536	" " "	1 "
5537	" " "	$\frac{3}{4}$ "
5538	" " "	$\frac{5}{8}$ "
5539	" " "	$\frac{3}{8}$ "
5540	" " "	$\frac{1}{4}$ "
5541	" Stud Gun Stockers.	
5542	" Trigger " "	
<i>Chissels, Gun Stocker's 20 per set.</i>		
5543	Chissel Firmer	2 $\frac{1}{2}$ Ins.
5544	" " "	2 " (2)
5545	" " "	1 " "
5546	" " "	$\frac{7}{8}$ " "
5547	" " "	$\frac{1}{2}$ " (2)
5548	" " "	$\frac{1}{4}$ " "
5549	" " "	$\frac{3}{16}$ " "
5550	" " "	$\frac{1}{8}$ " "
5551	" " Cross Point.	
5552	Gouge " "	$\frac{5}{8}$ Ins.
5553	" " "	$\frac{1}{2}$ " "
5554	" " "	$\frac{3}{8}$ " (2)
5555	" " "	$\frac{1}{16}$ " "
5556	" " "	$\frac{1}{4}$ " (2)
5557	Chissels Foot	(2)
5558	Fire Shot or Coffin's Grape	56 Pdr.
5559	" " "	32 "
5560	" " "	18 "
5561	Block Gin Iron Brass Sheaves	Treble.
5562	" " " "	Double.
5563	Hammer with Turn Screws.	
5564	Pincers Gun.	
5565	Auger Fuze Brace with Bits and Index.	
5566	" " Hand	" "
5567	Gauge Brass for Shell Sides	24 Pdr.
5568	" " " Bottoms	Small.
5569	" Iron Shot High Low	68 Pdr.
5570	" " " "	8 Ins.
5571	" " " "	56 Pdr.
5572	" " " "	42 "
5573	" " " "	24 "
5574	" " Shell " "	4 $\frac{2}{5}$ Ins.
5575	Lock Brass Pad Double	3 $\frac{1}{4}$ "
5576	" " " "	3 "
5577	" " Box "	3 "
<i>Rope received from Bangalore and tested in the Arsenal of Bangalore in November 1856.</i>		
5578	Rope, Country, 3 $\frac{1}{4}$ Inch Tarred made from Pooty Mungem	12 $\frac{1}{4}$ yds.

5579	Rope, Country, 3 $\frac{1}{4}$ Inch Tarred made from Pooty Mungem	32 yds.
5580	" " 3 $\frac{1}{2}$ made from Country Aloes or Cuthalanar	22 "
5581	" " 3 Janapeinnar	34 "
5582	" " 2 $\frac{1}{2}$ " "	17 "
5583	" " 1 Cuthalaur	9 "
5584	" " $\frac{3}{4}$ Marool	17 "
5585	Line Log Country Marool	7 "
<i>Rope received from Secunderabad and tested in the Arsenal of Fort Saint George, in Sept. and Decr. 1856.</i>		
5586	Rope Hingolee Sunn Fibre 4 $\frac{1}{2}$ Ins.	89 $\frac{1}{2}$ yds.
5587	" Ellichapore Burroo " 4 $\frac{1}{2}$ "	40 $\frac{1}{2}$ "
5588	" " Umbarree " 4 "	43 "
5589	" Hingolee Sunn " 3 $\frac{1}{2}$ "	tarred 102 "
5590	" " " " 3 $\frac{1}{2}$ "	27 $\frac{2}{5}$ "
5591	" " Umbarree " 3 $\frac{3}{4}$ "	30 "
5592	" " " " 3 $\frac{1}{2}$ "	27 "
5593	" Ellichapore " 3 $\frac{1}{2}$ "	44 "
5594	" Hingolee Sunn " 3 "	27 "
5595	" " " " 2 $\frac{1}{2}$ "	43 "
5596	" " Umbarree " 2 $\frac{1}{2}$ "	47 "
5597	" Ellichapore " 2 $\frac{1}{2}$ "	42 "
5598	" " Punharree " 2 $\frac{1}{2}$ "	42 "
5599	" Country Sunn " 4 $\frac{3}{4}$ "	47 $\frac{1}{2}$ "
5600	" " " " 3 $\frac{1}{2}$ "	52 "
5601	" " " " 3 "	53 "
5602	" " " " 2 "	53 "
5603	Specimen of the Sunn Fibre	1 $\frac{1}{8}$ lbs.
<i>Burmese Wood.</i>		
5604	Therapee or Calophyllum longifolium.	
5605	Teeka Loung Tha or Radal.	
5606	Tong Byne.	
5607	Penlay Pyoung.	
5608	Kanazoo a Forest Fruit Tree.	
5609	Rannan Tha or Crab Tree.	
5610	Kya Nau.	
5611	Panawah.	
5612	Thu Byke or Shabay Kya.	
5613	Gongoo or Gangan.	
5614	Toungalay.	
5615	Bong Long Tha.	
5616	Tha Nut Rhee.	
5617	Ma Tai Yo.	
5618	Rya Mouk.	
5619	Pa Ka Than.	
5620	Thee Bew Tha.	
5621	Ryezai.	
5622	Myouk Sho.	
5623	Rye yo Thoo.	
5624	Sowyew or Chissel Handle Tree.	
5625	In Jin.	
5626	Theetsee.	
5627	Annan Tha.	
5628	Thingan.	
5629	Pyeng khadoc.	
5630	Mezzalee.	
5631	Meenaban.	
5632	Pouk Tha.	
5633	Mai Ray.	

MADRAS.

5634	Einma Nee.			
5635	Saway Do.			
5636	Thayet Rya.			
5637	Chin Zooay.			
5638	Than That.			
5639	Model of the Madras Light House in Ebony made in the Carpenter's shop intended to be used as an Ink stand.			

MR. W. KOMARECK, EXHIBITOR.

Manufactures in Papier Mache.

		R.	A.	P.
5640	1 large triple vase (blue) containing grapes, pineapples, oranges pomegranates, mangoes and pomplemos...	35	0	0
5641	1 large triple vase (white) containing do. do.	35	0	0
5642	1 double (blue) containing do. ...	20	0	0
5643	1 do. do. do.	14	0	0
5644	1 do. do. do.	12	0	0
5645	1 do. white.....	18	0	0
5646	1 do. do. do.	12	0	0
5647	1 single (blue).....	10	0	0
5648	1 do. do.	10	0	0
5649	5 Pineapple and grapes on stand (each).....	4	0	0
5650	6 Pomegranate, mangoe & orange on stand (each).....	3	0	0
5651	12 burst pomegranates on stands (each).....	0	12	0
5652	1 Roast Turkey.....	10	8	0
5653	1 do. do.	10	8	0
5654	1 do. do.	10	8	0
5655	1 do. do.	10	8	0
5656	1 Yorkshire ham (cut).....	9	0	0
5657	1 do. do. do.	9	0	0
5658	1 Tart.....	2	8	0
5659	1 do.	2	8	0
5660	1 do.	2	8	0
5661	1 do.	2	0	0
5662	1 do.	2	0	0
5663	1 Plumb cake.....	1	8	0
5664	1 do. do.	1	8	0
5665	1 Victoria Cheese (cut)	4	0	0
5666	1 do. do. do.	4	0	0
5667	1 do. do. do.	4	0	0
5668	1 do. do. do.	4	0	0
5669	1 do. do. do.	4	0	0
5670	1 do. do. do.	4	0	0
5671	1 Bottle with Snake round.....	0	12	0
5672	1 do. do. do.	0	12	0
5673	1 Rock Snake on stand.....	3	0	0
5674	1 do. do. do.	3	0	0

MRS. KOMARECK, EXHIBITOR.

Manufactures in raised Berlin Wool.

		R.	A.	P.
5675	1 King Charles' Spaniel (large as life) with glass eyes, in Satin wood frame,.....	50	0	0
5676	1 Delhi Scarf worked with gold,	70	0	0

MANAR. SREEVENCATASEM CHITTY, EXHIBITOR.

		Rs.
5677	Pair Silver utter stand with silver bottles,	85
5678	" Flower Trees with stand, ...	60
5679	" Elephants,	85
5680	" Horses,.....	50
5681	" Tigers,.....	50
5682	" Fowls,.....	50
5683	" Double mouthed Birds,...	60
5684	" Deers,.....	40
5685	" Cows,.....	40
5686	" Rose water Bottles, ...	25
5687	" " " Small, ...	20
5688	" Mace Boxes,	40
5689	" Lighting Dolls,	30
5690	" Rose Bottle Stands, ...	15
5691	" " "	15
5692	" Looking Glass Box covered with Silver,	100

Manufactures with Beads.

5693	Cot with steps and 4 Silver tops,.....	35
5694	Picture,	20
5695	" Small,	15

THE REVENUE BOARD, MADRAS, EXHIBITORS.

Samples of Prize Products from Provincial Exhibitions.

From Nellore.

5696	Indigo,	11 Cakes.
5697	Brown Paper, ...	10 Quires.
5698	"	2 Quires & 19 Sheets.
5699	Salt Petre,	1 Viss & 34 Pollums.

Fibres.

5700	Aloe,	1 Bundle.
5701	Plantain,.....	1 "
5702	Jilladoo or Yerrookum,	2 Bundles.
5703	Gogoo,	1 "
5704	Iron Stones, ...	3

Dyes.

5705	Chayroot,	5 Bundles.
5706	Sooraty Bark.	
5707	Uly leaves.	

Vegetable Oils.

5708	Cauroonoovoolo,.....	1 Bottle.
5709	Castor Oil,	2 "
5710	Vapa Oil,	1 "
5711	Cocoanut Oil,	1 "

Medicinal Substances.

5712	Curakanyaloo.	
5713	Auroodondce Bark.	
5714	Naylavaymoo.	
5715	Gobby Vittooloo.	
5716	Naypaula seeds.	
5717	Chillaginjaloo.	
5718	Soogundapaula roots (Sarasaparilla.)	
5719	Gobby plant.	
5720	Pullayroo	
5721	Woottaraynoo	
5722	Toomny	
5723	Yanaga Pullayroo,,	

MADRAS.

- 5724 Chauntrancy plants
 5725 Tella Guljayroo,
 5726 Moosty seeds.
 5727 Sovinda „
 5728 Naylathungaydoo plant.
 5729 Chetty coyswarum „
 5730 Subja seeds.
 5731 Patchy Chitramoolum.
Tanning Substances.
 5732 Rayla Bark.
 5733 Toomma or Vaylum Bark.
 5734 Tungadoo do.
Gums.
 5735 Valaga.
 5736 Vaylum.
From Guntoor.
 5737 Immacondah Indigo, 5 cakes.
 5738 Indigo of different sorts, 5 cakes.
 5739 Country Cotton.
 5740 do. do. cleaned.
 5741 do. do. uncleaned.
 5742 Senna.
 5743 Cuddapah Indigo.
From Tinnevelly.
 5744 American Cotton.
 5745 Red „
 5746 Nadan „
 5747 Bourbon „
 5748 Nutmeg 1 bag.
 5749 Cloves „
From Bellary.
 5750 Indigo country made.
 5751 17 Specimens of Fibres.
 5752 15 „ „ of ropes made from the above fibres.
 6753 19 „ „ of oil seed.
(The fibres, ropes and seeds forwarded by the Tahsildar of Raidroog.)
 5754 3 Yards of broad Tape.
 5755 3 „ „ narrow „
(These Manufactured in the Bellary Looms.)
 5756 Cotton rope made at Adonie.
 5757 Tanned hide made at Bellary.
 5758 Leather „ „
 5759 Do. „ „
Specimens of Indigo from different Agents received through the Collector of Sea Customs.
From Messrs. Binny and Co.
 5760 4 Cakes from Messrs. Hart and Simpson's Factories in Cuddapah.

- 5761 4 Cakes from Messrs. Hart and Simpson's Factories in Nellore.
 5762 4 „ „ in North Arcot.
 5763 4 „ „ from Native Factories in Budwail & Sidhout Talooks of Cuddapah.
 5764 5 „ „ Cahnbaum „ „
 5765 8 „ „ Chitwal „ „
 5766 2 „ „ Ongole „ „ Nellore.
From Appasaamy Pillay and Co.
 5767 3 boxes containing samples of Kurpah Indigo from Cuddapah.
From Messrs. Nisbet & Co.
 5768 Indigo from Annacavoor, Trivatoor in the Zillah of Chittoor.
From Messrs. Line & Co.
 5769 3 Cakes of Kurpah Indigo.
From Sidloo Chetty & Co.
 5770 Indigo from Caloovay, Ravoor Talook Nellore.
 5771 Do. Kalikery, Siddavutun, Cuddapah.
 5772 Do. Moodoogoolapollum, Calastry Zemindary.
From Messrs. Walker & Co.
 5773 6 Samples Bengal Indigo.
 5774 8 do. Madras do.
From Messrs. Lecot, Hicks & Co.
 5775 2 Samples of Indigo from Cuddapah.
Samples of Bengal Indigo sent by the Chief Secretary to Government.
 5776 From Bauleah 1 cake.
 5777 „ Benares 5 „
 5778 „ Bhaugulpore 1 „
 5779 „ Burdwan 2 „
 5780 „ Jessore 8 „
 5781 „ Jungypore 3 „
 5782 „ Kishnaghur 4 „
 5783 „ Malda 17 „
 5784 „ Midnapore 2 „
 5785 „ Moorshedabad 2 „
 5786 „ Mymensingh 1 „
 5787 „ Naulpore 1 „
 5788 „ Oude 2 „
 5789 „ „ Low 1 „
 5790 „ Purneah 1 „
 5791 „ Tirkoot 18 „
 5792 Specimen of Tanjore Indigo, from Mr. Kohlhoff.

MADRAS.

LIEUT. H. P. HAWKES, S. A. C. GENL., EXHIBITOR.

COPPER COINS.

5793. *A series in illustration of the Copper Coinage of the H. E. I. Company.*

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
1	Company cash.	1732	Company's Monogram.	Date in English figures.
2	Linga chetty's c.	* 769	do.	do.
3	Do.	177*	do.	do.
4	Bombay pice.	177*	do.	"Pice Bomb." 177*
5	Linga chetty's c.	*78*	do.	Date in English figures.
6	Do.	*79*	do.	do.
7 to 9	Company's cash and half cash.	1787	Company's Monogram and date.	do.
10 and 11	Company's Dood and Dooganie.	1791	do.	A balance with the word "Adul" (justice) in Hind.
12 and 13	Company's Dood.	1794	Comp. Arms with vizier, and motto "United East India Company" surrounded by the legend "Auspicio Regis, et Senatus Anglicæ"—at the foot is the value "48 to one Rupee"	Company's Monogram in double lines and the legend "United East India Company" date at the foot.
14	Comp.'s Dooganie.	1794	Company's Monogram and date.	A balance with the word "Adul"
15 and 16	Linga Chetty's c.	180*	Comp. Monogram divided at Right angles with a cross and the letters C. C. E.—without the 4—	Date in English figures.
17 and 18	Do.	18**	do.	do.
19	Company's Dood.	1802	Company's usual Monog. divided diagonally, and date.	Same as Nos. 10 and 11.
20	Do.	1803	do.	do.
21	Comp.'s half cash.	1803	Company's Monogram.	Date in English numerals.
22 to 33	Do.	1803	Lion rampant bearing crown & date.	"1 Cash" in English and Hind.
34	Company's Cash.	1804	Company's arms with vizier and motto, surrounded by the words "East India Company" and date.	A balance with the word "Adul" (justice) and date (1219) in Hind.
35 and 36	Company's Dood & Dooganie or 20 and 10 cash.	1808	do.	Value in English and Hindustanee.
37 to 39	Do.	1810	Company's arms without vizier, motto and date.	
40	Cash.	1816	A Monogram apparently T. R. surmounted by a crown, "vi" in Roman numerals at foot.	"IV. K A S and date" surrounded by dots.
41 to 44	Company's Dood.	1819	Same as Nos. 10 and 11.	Same as Nos. 10 and 11.
45	St. Helena half penny.	1821	Company's arms with vizier and motto.	"St. Helena half-penny" surrounded by Laurel leaves, date in centre.
46	Cash.	1823	Same as No. 40.	Same as No. 40.
47	Cash.	1824	do.	do.
48 and 49	Company's half and quarter anna.	1825	Same as No. 37.	Same as No. 37.
50 and 51	Company's Dood & Dooganie.	1825	Same as No. 37, but date above motto.	Value in Eng. and Hind. date in Hind. surrounded by Palm leaves.
52 and 53	Company's cash and half cash.	1825	Same as Nos. 10 and 11.	Same as Nos. 10 and 11.
54 to 56	Comp. half, quarter and $\frac{1}{8}$ anna.	1828	Same as No. 37.	Same as No. 37.
57	Cash.	1832	Same as No. 40.	Same as No. 40.
58 and 59	Company's quarter anna and one pice.	1833	Same as No. 50.	A balance with the word "Adul" and date in Hind. surrounded by Value in English.

MADRAS.

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
60	Comp. half anna.	1834	Comp Arms, motto and date surmounted by the words "East India Company."	Same as No. 58.
61 to 63	Comp. half, quarter and $\frac{1}{16}$ anna.	1835	Company's Arms, motto and date.	Value in English and Hind. surrounded by a wreath of Laurel and the words "East India Company."
64 to 66	Cash.	1839	Same as No. 40.	Same as No. 40.
67 to 69	Cash.	1841	do.	do.
70 to 72	Cash.	1842	do.	do.
73	Cash.	1843	do.	do.
74 to 76	Cash.	1844	do.	do.
77 to 79	Cash.	1845	do.	do.
80 to 88	Comp. cent, half and quarter cent.	1845	Queen's head and words "Victoria Queen."	Value in English surrounded by a wreath of Laurel the words "East India Company" and date.
89	Comp. $\frac{1}{2}$ piece.	1853	Same as No. 61.	Value in English surrounded by a wreath of laurel, and the words "East India Company"
90 to 99	Half and $\frac{1}{16}$ anna	—	Value in English.	Value in.
93	Cash.	—	Value in Canarese and Tamil.	... ..

COPPER COINS OF OTHER BRITISH COLONIES.

5794. *Ceylon.*

1	Ceylon (or Amara-vati) coin.	A. D. 1127?	Coin supposed to have been struck by Sree Gaja Raja, bearing a human figure in different attitudes on either side. Vide Fig 9. Pl. xx. Vol. 6. page 298 of the Journal of the Asiatic Society.	
2	do.	?	Inscription illegible.	Figures same as above.
3 & 4	Ceylon (or Hala Canara) coin.	?	Similar to the above vide Pl. xx.	Vol. 6, page 293, Journal Asiatic Society.
5	Ceylon or (Hala Canara) coin.	?	Obverse—a bull in standing attitude. Reverse—A human figure as in the above. Vide Fig. 15, Pl. xx. Vol. 4, page 298, Journal of the Asiatic Society.	
5 to 13	do.	?	Obverse—a bull facing right.	Reverse.—Inscription in the old Canarese character.
14 to 18	do.	?	A bull facing left.	do.
19 to 22	Ceylon Government	1802	An Elephant, and date.	"Ceylon Govt." surrounding a numeral signifying its value.
23 to 27	do.	1815	Elephant, date, the word "Ceylon" and Value in English.	Bust of George III and words Georgius III. D. G. Brittanicum Rex.

5795. *Australia.*

1	Penny piece.	—	Britannia surmounted by the word "Britannia."	The Reverse presents a novelty in the art of advertising, bearing the name of a tradesman's firm at Melbourne as follows: "Annand Smith and Co. Family Grocers, Melbourne."
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5796. *Straits Settlements.*

1 to 8	Malay cash.	—	Cock and inscription in Malay.	Inscription and date in Malay.
9 & 10	do.	—	do. and name C. R. READ in English characters.	Star, inscription and date in Malay, date (A. H.) in English.
11	do.	—	Cock and inscription in Malay.	do.
12 & 13	do.	—	Inscription and date in Malay.	Inscription in Malay.
15 to 19	Sumatra cash.	1804	Company's Arms, motto and date, with words "Island of Sumatra."	Inscription and date in Malay.
20	Sultana cash.	1804	Do, with words "Island of Sultana."	do.
21 & 22	do.	1835	Coat of Arms supported by Horses rampant &c. and words "Island of Sultana."	do.
23	Malay cash.	1835	Coat of Arms supported by Horses.	do.
24	do.	—	Inscription in Malay.	do. (1250)

MADRAS.

5797 *Canada.*

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
1	Canada Halfpenny.	1837	A coat of arms with shamrock, rose thistle and beaver, the Motto "Concordia salus" and "Banque du peuple" surrounded by wreath and words, "Bank Token Halfpenny 1837."	"Province du bas Canada, un Sou." with figure of —?
2	Upper Canada Halfpenny.	1854	St. George and the Dragon surrounded by the words "Bank of Upper Canada" and date.	Anchor, and Sword crossed, two Cornucopiæ and Union Jack surmounted by crown with the words "Bank Token one Half penny."
3	Newfoundland Halfpenny.	—	Coat of arms supported by two horses rampant, with Motto "Per mare per terras," crest, a vizier and mermaid.	The golden fleece with the words R. and I. Rutherford, St. John's Newfoundland.

5798. *Guernsey.*

1	Guernsey four doubles.	1840	Guernsey coat of arms (three lions) and word "Guerusey"	"4 Doubles" and date.
2 and 3	One double.	1830	o	"1 Double" and date.

5799. *Ionian Islands.*

1	Quarter farthing.	1849	Griffon holding a bundle of darts	Britannia and name.
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5800. *Copper Coins of Great Britain.*

1	Penny.	—	King's head and usual legend.	Britannia and word 'Britannia.'
2 & 3	Pennies.	1797	Head of George III. and inscription George III. D. G. Rex.	Britannia, date and word 'Britannia.'
4	Farthing.	1799	do. and date.	Britannia word 'Britannia,' and value in English.
5	Irish halfpenny.	1805	do. without date.	The harp surrounded by the word 'Hibernia' and date.
6 & 7	Penny and halfpenny.	1806	do. with date.	Same as No. 1.
8	Halfpenny.	1807	do. do.	Same as No. 1.
9 & 10	Penny and halfpenny.	1826	Head of George IV and inscription 'Georgius IV. Dei Gratia 1826.'	Britannia and the legend, 'Britanniar: Rex. Fid. Def.'
11	Halfpenny.	1827	do.	do.
12	Penny.	1837	Head of William IV. and inscription 'Gulielmus IV. Dei Gratia 1837.'	Same as No. 9.
13	Farthing.	1838	Head of Victoria and inscription 'Victoria Dei Gratia 1838.'	Same as No. 9.
14	do.	1843	do.	Same as No. 9.
15 to 17	Halfpenny.	1844	do.	Same as No. 9.
17 to 17½	Half farthing.	1844	'Victoria D. G. Britanniar, Regina F. D.' and bust.	Value, date and floral emblems surmounted by crown.
18	Farthing.	1845	Same as No. 13.	Same as No. 9.
19	Penny.	1853	do.	do.
20	Model Halfpenny.	—	Inner circle of silver with bust of Victoria and V. R. outer of copper with 'Model Halfpenny.'	Inner circle of silver with '¾' outer of copper with 'Halfpenny model.'
21	Quarter farthing	1835	'Gulielmus IV. Dei Gratia' and bust	Britannia and words 'Britanniar, Rex. Fid. Def.'
22	Wilkinson's token.	1787	Bust with words 'John Wilkinson iron master.'	Forge with tilt-hammer and date.
23	do.	1793	do.	do.
24	Liverpool Halfpenny.	—	Bishop with mitre and crozier and words 'Cronebane Halfpenny.'	Ship of war. laurel branches and words 'Liverpool Halfpenny.'
25	Isaac Newton's halfpenny.	1793	'Isaac Newton' and bust.	Caduceus winged with cornucopiæ. and word 'Halfpenny.'

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No.	Names.	Year.	Design on Obverse.	Design on Reverse.
26	Halfpenny.	—	Bust wearing Duke's coronet and words 'John of Gaunt' duke of Lancaster.	Initials H. M. Co. and words 'Camac, Kyan and Camac, Halfpenny.'
27	Token.	—	Queen's head and words 'Cannock White and Co. Dublin and Cork.'	Words 'Cannock White and Co. Drapers, 14 Henry street, Dublin, near the Post Office.'
28	One farthing Token.	1838	'One farthing 1838' surrounded by 'Ogilvie and Bird, Cork.'	'Payable at 48 and 49 Patrick St.' surrounded by 'Drapers and Silk Mercers.'
29	Macclesfield Halfpenny.	1789	Britannia seated on some Machinery the word 'Halfpenny' and date.	Initials 'R. and Co.' surmounted by a beehive and word 'Macclesfield'
30	Penny.	1811	A crown surrounded by the words 'Birmingham and Leith 1811.'	'One Penny' surrounded by legend 'Crown Copper Company.'
31	Cornish Penny.	1811	Cornish mine engine. date and words 'Cornish Penny.'	A Fish and pigs of lead surrounded by words 'For the accommodation of the county'
32	Cornish half an ounce.	1791	A Shield with 15 dots surmounted by a crown and words 'Cornish copper half an ounce 1791.'	Hooded figure and garland of oak leaves.
33	Spence's Token.	1795	A Boar trampling on the emblems of of church and state with words 'Pigs meat published by T. Spence London.'	Words 'Thos Spence, Sir Thos. More, Thos. Paine' and date surrounded by words "Advocates for Rights of man."
34	Oliver Cromwell's farthing.	1658	"Charity and Change 1658."	Castle and legend "City of Lime-rick."
35	Charles II farthing.	—	Irish harp crowned and words "Fra et Hib: Rex."	"Carolus II., D. G. M. B." and coat of arms.

5801. Copper Coins of French Indian Settlements.

1	Fleur-de-lis cash.	1752	Five Fleur-de-lis.	Date surrounded with dots.
2	do.	1785	do.	do do.
3 to 7	French cash.	1836	Gallie cock and date.	'Poodeecherie' in Tamil.
8 to 11	Fleur-de-lis cash.	—	One large fleur-de-lis.	do.

5802. French Continental Copper Coins.

6	Soldo.	1812	Bust and words 'Napoleone imperatore'	Crown and words 'Regno d' Italia soldo'
1	Sous.	161*	Head, date and inscription 'Francois de Bourbon.'	Coat of arms with fleur-de-lis &c.
2	Two Sous.	1792	Bust of Louis XVI and words 'Louis XVI Roi des Francais.'	A lictors bundle of rods surrounded by wreath and 2 S. with words 'La nation, la loi, le Roi, L'an 4 de la liberte.'
3	12 Deniers.	1792	do.	
4 and 5	Five and ten centimes.	1853 & 1854	Bust of Napoleon III. and words 'Napoleon III Empereur.'	The eagle and 'Empire Francais' and value.

5803. Copper Coins of the Netherlands.

1	Half Stiver.	1822	Coat of arms and value.	'Nederl: Indie' and date surmounted by a star with the letter G at foot.
2	Quarter Stiver.	1823	do.	do
3	do.	1840	do.	do with letter W.

5804. Dutch Copper Coins.

1 to 11	Quarter Stiver.	1737 to 1786	Coat of arms.	Monogram contg. the letters V. O. & C. a star and dots and date 1737-43 44-46-49-50-51-52-53-56.
12	Half cent.	1837	Coat of arms.	'W.' crown and date.
13	Java pice.	1810	'JAVA' and date surrounded by dots	Monogram, apparently N. L. and value.

MADRAS.

5805. *Copper Coins of Trichinopoly.*

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
1 and 2	40 Cash pieces.	_____	Value in Canarese and Tamil.	Value in English and Hindu in imitation of H. E. I. C. coins of 1808.
3 to 5	20 Cash pieces.	_____	do.	do.
6 to 8	10 Cash pieces.	_____	do.	do.
9	5 Cash piece.	_____	do.	do.
10 and 11	2½ Cash pieces.	_____	do.	do.

5806. *Copper Coins of Delhi.*

1 to 8	Delhi cash.	_____	Shah Alum Badsha Jooloos 37.	
9 to 14	do.	_____	Same as above with trident mark.	Same as above with trident mark.
15 to 17	do.	_____	Mahd. Shah.	Trident mark.
18 to 20	do.	_____		

5807. *Copper Coins of Hyderabad.*

1 and 2	Nizami Alumgeer cash.	_____	Oblong pieces of copper, without inscription or device.	
3 to 5	Sayee dubs.	_____	Circular pieces of plain copper.	
6 to 8	Sorepoore cash.	_____	Brahmin mark, conch shell and lotus.	Fanciful device of lines and dots.

5808. *Copper Coins of Travancore.*

1 to 9	Chuckrams.	_____	Human figure sitting.	Conch shell.
10 to 12	do.	_____	Human figure standing.	Monogram.

5809. *Copper Coins of various parts of India (undeciphered.)*

1 to 11	Cooderay cash.	_____	Figure of a Griffon with one foot uplifted.	Hatched lines and a few unintelligible symbols.
12 to 14	...	?	A square crossed by diagonal lines and dots.	An elephant surrounded by lines and dots.
15 and 16	do.	_____	do.	A circle surrounded by two segments and two crescents.
17 and 18	do.	_____	do.	
19 and 20	do.	_____	do.	
21	do.	_____	do.	A head.
22	do.	_____	do.	Star inside a square and dots.
23 to 25	do.	_____	do.	
26 to 29	...	_____	Two human figures under a tree.	
30	...	_____	do.	?
31 to 33	Singhum cash.	_____	A singhum with wings and tail of peacock.	Hatched lines.
34 and 35	do.	_____	A singhum.	do.
35½	do.	_____	A singhum standing	
36	Griffon cash.	_____	A griffon in usual attitude.	Nine stars within crossed lines.
37	do.	_____	do.	
37½	do.	_____	do.	
38	do.	_____	do.	A sacred bull recumbent.
39 and 40	do.	_____	A griffon seated cat-like front face.	Tamil characters.
41	do.	_____	do.	Crossed lines.
42	Singhum cash.	_____	A singhum or rather cat surrounded by dots.	A warlike instrument resembling a battle axe.
43	Elephant cash.	_____	An elephant surrounded with dots.	An elephant goad surrounded by dots.
44 to 47	do.	_____	An elephant standing.	Illegible characters.
48	Hanooman cash.	_____	Hanooman standing, arms a kimbo.	
49	do.	_____	Hanooman standing, left arm uplifted	Lines.
50	do.	_____	Hanooman kneeling on one knee, one arm a kimbo, one uplifted.	Hieroglyphics unintelligible
51	do.	_____	Hanooman kneeling on one knee both hands uplifted.	Crossed lines.
52	do.	_____	Hanooman kneeling on one knee, both arms a kimbo.	

MADRAS.

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
53	Geruda cash.	—	A human figure seated tailor fashion	Four stars and lines.
54	do ?	—	A human figure.	Crossed lines.
55	Venketrowna cash.	—	Venketrowna do.	Teloogoo Characters ?
56 and 57	Gundabayroonda c.	—	A spread eagle with two heads.	— Characters. ?
58 and 59	Antelope cash.	—	Antelope and dots.	— Characters. ?
60	Bull cash.	—	Sacred bull walking.	The Tamil letter ஸ surrounded by dots.
61	Fish cash.	—	A Fish.	— ?
62	Flower cash.	—	A Flowering shrub.	— ?
63 to 68	Mahd. Shah cash.	18*4	Mahd. Shah.	Jooloos.
69 to 71				
72 to 74				
75 to 78			* 'Shah badsha.	'Jooloos zerb.'
79 and 80			Illegible characters.	?
81 and 82			A human figure and bird.	?
83	Almud Shah cash.		Sultan al sultan &c.	Ahmed Shah.
84			do.	Sultan.
85	Delhi cash plated.		Shah Aalum &c.	&c. &c.
86	Copper coins of the Hyderabad states.			
87	do.			
88	do.			
89	do.			
90	do.			
91	do.			
92	do.			
93	do.			
94	do.			
95	do.			
96	do.			

5810. Copper Coins of the Vizayanuggur Dynasty (?).

1 to 7	Gunesa cash.	—	Figure of Gunesa in the usual attitude.	Hatched lines and Canarese numerals
8	Gunesa cash.	—	Figure of Gunesa riding on an elephant.	Same as above.
9 to 11	Hanooman cash.	—	Hanooman standing, arms a kimbo.	Same as above.
12 to 16	Hanooman cash.	—	Hanooman standing, arms uplifted.	Same as above.
17 to 23	Doorjee cash.	—	Doorjee.	Same as above.
24 to 33	Geruda cash.	—	Figure of Geruda half kneeling, arms a kimbo (facing left.)	Same as above.
34	Geruda cash.	—	do. do. (facing right.)	Same as above.
35 to 42	Dunda-dhara cash.	—	Figure of a Dervish.	Same as above.
43 to 50	Peacock cash.	—	Figure of a Peacock.	Same as above.
51 to 56	Deer cash.	—	Figure of an antelope and symbol of the Moon.	Same as above.
57 to 62	Horse cash.	—	Figure of a horse.	Same as above.
63 to 67	Bull cash.	—	Figure of a bull.	Same as above.
68 to 73	Elephant cash.	—	Figure of an elephant with trunk uplifted.	Same as above.
74 to 76	Tiger cash.	—	Figure of tiger with open mouth.	Same as above.
77 to 83	Fish cash.	—	Figure of a fish.	Same as above.
84 and 85	Shell cash.	—	Figure of a conch shell.	Same as above.
86 to 90	Bell cash.	—	A bull surrounded by dots.	Same as above.
91 and 92	Sword cash.	—	A sword do.	Same as above.
93 to 95	Star cash.	—	A star.	Same as above.
96 to 98	Sun and Moon cash.	—	Symbols of sun and moon.	Same as above.
99 to 102	—cash.	—	Human figure; arms elevated and palms horizontal.	Same as above.
103 to 218	Number cash.	—	Canarese numerals from 1 to 33.	Same as above.

5811. Tin Coins of the Siamese Territories (?).

2	Siam coins ? of tin.	—	Griffon and dots.	Monogram.
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MADRAS.

5812. Bell-metal Coins of China.

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
1 to 5	Chinese cash.	—	Circular, with square perforation in the centre. Chinese characters.	Circular with square perforation Chinese characters.
5813. Miscellaneous Copper Coins of Continental Europe.				
1 to 3	40 20 and 2 Vintain pieces of Portugal.	1824-8	Coat of arms surmounted by Greek priest's cap, surrounded by laurel leaves and the motto 'in Hoc signo vinces.'	A circle of laurel leaves surrounded by legend 'Petrus I, D. G. Const.' imp. et. perp. bras. def. 1828. R. (the value of the coin has been stamped on it subsequent to its coinage.)
4	Portuguese coin of Donna Maria the First.	—	Coat of arms and legend 'Maria I. Dei'	Wreath and words 'Portugalix et Algarbiorum regina.'
5	Spanish coin of Philip?	—	Coat of arms and words 'Dominus Mil...divior.	Ph...Hisp. z...orn.
6	.....	1744	'Leod sede va...Dec et. Cap.' surrounding coat of arms.	Effaced.
7	Portuguese coin of Philip the First.	—	Coat of arms and legend.	Laurel wreath and words Portugalix et Algarbiorum Rex.
S a b. c. d.	Portuguese coin of Maria 2nd XX-X & V. Vintains.	1850 1853	Coat of arms and words 'Maria dei Gratia.'	Numerals surrounded by a wreath and the words 'Portugalix et Algarbiorum Regina 1850.'
9	Dutch coin.	1786	Coat of arms and legend 'In. Deo est spes nostra.'	Monogram with the letters V. O. C. & date with two stars & arrow head. Arabic inscription.
10 & 11	Turkish coins.	—	Arabic inscription.	Initial 'L' and crown with words 'Leopold Premier Roi des Belges 1836.'
12	Belgian two cent piece.	1836	Lion holding tablet bearing the words 'Constitution Belge 1831,' with motto 'L'union fait la force' and value.	Value, cross arrows, date, and oak leaf wreath.
13	Skilling banco.	1839	Bust and words Carl XIV Sverigs Norr. G. O. V. Konung.	Bust & words Franc. II. D. G. R. 1. S. A. Ger. Hung. Boh. Rex. A. A.
14	German coin.	1800	National crest, numeral 3 and date.	'Ein Kreuzer,' date and palm leaves.
15 and 16	One kreutzer, Austrian.	1816	Coat of arms and words 'K. K. Oesterreichische scheid emunze.'	do.
17	Half kreutzer, Austrian.	1816	do.	do.
18	Turkish coin.	—	A fortified town with Mahomedan flag and six stars.	Wreath and Monogram.
19	Turkish coin.	—	Turkish inscription.	Turkish inscription.
20	Danish coin.	1853	Crown, sceptre and sword.	Bust and words 'Fredericus VII. D. G. Daniæ, V. G. Rex.'
21	Lombardo-Venetian coin.	1822	Crown and words 'Regno Lombardo Veneto.'	Value "2 centesimo" and date.
22	Spanish coin.	1833	Spanish coat of arms.	Bust and words 'Ferdin. VII. D. G. Hisp. Rex. 1833.'
23	do.	1842	do.	Bust and words 'Isabel 2 Por. lag de Dios, y. la Const. 1842.'
24	Portuguese coin of Joseph the First.	1763	Coat of arms and words 'Josephus I. D. G. Rex. P. et D. Guine.'	Words 'Macuta I. Portugueza Africa 1763.'
25	Portuguese coin of Maria and Peter.	1778	Globe surrounded by a broad Band, with motto 'Pecunia totum circumit orbem.'	Crown, value and date and words "Maria I. et Petrus III D. G. P. et Brasil Reges"—the Spanish coat of arms has been subsequently punched on the centre of the coin.
26	Portuguese coin.	1830	Coat of arms and words Michael I. D. G. Port. et. Algarb. Rex.	Numeral '40' surrounded by wreath and motto 'Publica utilitati.'
27	Russian two Kopeck piece.	1812	Double headed spread eagle.	2 KOPEKA.
28	do.	1853	do.	do.
29	—	?	Human figure and motto 'Sub tuum presidium.'	Coat of arms and Motto 'Respublica Genuensis.'
30	—	1810	A castle, date—quarto.	Lion holding a key and motto (illegible.)
31	—	1807	Spread eagle—numeral 15 and various inscriptions.	Bust. Z. Hung. Boeh. Galiz. uod. Franz. Kais. voest Koen.

MADRAS.

5814. *Copper Coins of America (North and South).*

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
1	Washington's cent.	—	Bust and words 'One cent.'	Bust and word 'Washington.'
2	American cent.	1844	Bust of Liberty and Stars.	Value and laurel wreath with words 'United States of America.'
3	Buenos Ayres 10 Decem piece.	1827	Value 'Banco Nacional Buenos Ayres 1827.'	An eagle and Motto 'Ardescit virescit.'
4	Chili centavo.	1851	Star of five points and words 'Republica de Chili.'	Value and wreath and motto 'Economia es riqueza.'

SILVER COINS.

5815. *A series of the Silver Coins of the H. E. I. Company.*

1 to 5	Linga Chetty's Fanams.	—	A figure of the God Bhagavatie.	A monogram.
6 to 9	Company's Rupee and Fractions.	1835	Bust of William IV.	Value in Eng. and Hind. surrounded by wreath and words 'East India Company 1835.'
10 to 13	Do.	1840	Bust of Victoria.	do.

5816. *Silver Coins of Various Indian States.*

1	Farockabad Rupee	—	Inscription in Hindustani.	Inscription in Hind.
2	Farockabad half Rupee.	—	Do.	Do.
3	Morshedabad Rup.	—	Do.	Do.
4 to 9	Arcot double Rupee, Rupee and fractions by Mah. Azeez-o-deen.	—	Inscrip. "MaimunutManoos &c." &c. edge milled in a sloping direction.	
10 to 15	Rupee and fraction.	—	Do. edge milled vertically. Flower monogram.	
16 and 17	Old Arcot Rupees.	—		
18 and 19	Surat Rupee and half Rupee.	—	.....	Edge plain.
20	Surat Rupee.	—	.....	Edge milled.
21 to 25	Star Pagoda and fractions.	—	Figure of the God Bhagavatie & inscription.	Pagoda and Stars and inscription.
26	Tellicherry fanam.	—	Jooloos &c.	
27	Cochin doublepootteen.	—		
18 to 14	Travancore chuckrams.	—	28 to a Rupee.	
35	Narrainpett Rupee.	—	Hydrabad currency.	
36	Raichore Rupee	—	Do.	
37	Hallee sicca R.	—	Do.	
38 and 39	Gidd Company R.	—	Do.	
40	Govind Buksh R.	—	Do.	
41	Bazar Rupee.	—	Do.	

5817. *Silver Coins of England and Continental States.*

1	English Five shilling piece.	1847	Bust of Queen Victoria.	Coat of arms.
2	Sixpence of Elizabeth.	1602	.....	.....
3	Sixpence of George II.	1745	.....	.....

MADRAS.

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
4 a. b. c.	Three penny piece.	1843	Bust of Victoria.	Value with crown.
5	Three half-penny piece.	1843	Do.	Do.
6	Portuguese Dollar.	1836	Coat of arms and words Maria II. D. G. Port et Algarb. Regina.	A cross and motto "In hoc signo vinces."
7	Portuguese 100 reis	1853	Do.	Value surrounded by a wreath.
8	Portuguese silver coin.	176*	Coat of arms and words Josephus I. D. G. Port Rex et B. D.	Globe and cross and motto "Signata stab. surg."
9	Spanish 2 Real.	1852	Coat of arms "Reina de las Espanas" and value.	Bust and words, "Isabel 2 por la Gracia de dios y la Const." and date.
10	Spanish real piece.	1853	Do.	Do.
11	Greek quarter drachme.	18*3	Coat of arms, wreath, crown and word '¼ Drachme.'	Bust and legend "Otho Basileus tes Ellados."
12 and 13	Columbian Dollar and half Dollar.	1853	Cap of liberty.	Eagle and snake on Cactus.
14	One Kreutzer.	1801	Crowned lion and initials H. D.	Value and date.
15	Shilling of George IV.	1826	Bust of George IV.	Lion and Crown.
16	Quarter franc of Louis Phillippe.	1843		

5818. Gold Coinage of the H. E. I. Company.

1	Gold mohur.		
2	Half mohur.		
3	Tirjaie or Five Rupee price.		

5819. Gold Coins of various Native States.

		Persian Inscription.	Persian Inscription.
1 to 4	Nazir-ood-deen's Gold coins.		
5	Mahd. Shah's.	Do.	Do.
6	Shah Jehan's.	Do.	Do.
7	Akhber's round Mohur.	Do.	Do.
8	Akhber's square Mohur.	Do.	Do.
9 to 11	Moolraj gold Rs.	Do.	Do.
12	Chanar cash (Venetian Ducat ?)	Figure of the Virgin.	.....
13 and 14	Deenar and half deenar of Constantinople.	— The word "Constantinople" in Arabic, date and border.	Monogram.
15	Feringheepetta Pagoda.	Figure of Bhagavatie.	Dots (coined at Porto Novo.)
16	Poolie Pagoda.	Do.	Star and Dots.
17	Kirkee Pagoda.	Do.	Dots, (coined at Cuddapa.)
18 and 19	Parullai Kaveri Pagoda and half.	Do.	Dots.
20	Ramasamy Pagoda.	Rama Seeta and Luchmee.	
21 to 23	Vencatapuddie Pag.	Figure of god Vencata.	Balbund inscription.
24	Lutchmenarraina Pagoda.		
25 and 26	Luchmedavee Pag. and Fanam.	Figure of Luchmee.	

MADRAS.

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
27	Jumboo Pagoda.	—	Oval pieces of gold with only a punch mark, apparently very old.	
28	Hanooman Pagoda.	—	Hanooman.	
29 to 31	Pundeemala, or Hurris Chunder.	—	Figure of a pig or crocodile.	Reverse similar to the Travancore silver chuckrams.
32 and 33	— ?	—	Figure of a Tortoise.	Do.
34 and 35	Cuttary, or Moon-golegay.	—	Figure of a Dagger.	Do.
36	Fish Fanam.	—	Figure of Fish.	
37 to 39	Ashrufie fanam.	—	Inscriptions in Hindustani, varying in different coins, "Alumgeer" on some.	
40	Cochin fanam.	—	Concave like limpet shell.	
41 to 43	Gopaul Chuckra fanam.	—	Very Inferior gold.	

THE MYSORE COINAGE.

A SERIES OF GOLD, SILVER, AND COPPER COINS IN ILLUSTRATION OF THE MYSORE CURRENCY.

5820: *Gold Coins of Mysore.*

1 and 2	Canteroy Fanam.	—	Figure of the Nursima avater.	Symbols of the sun and moon.
3	Old Bahadoory Pagoda.	—	Figure of.	Hyder's initial.
4	New Bahadoory Pagoda.	—	Same as above.	Same as above.
5 and 6	Ikkery Fanam.	—	Same as above.	Same as above.
7 and 8	Adda Calicut Fanam.	1166	"Calicut Zerb" and date.	Same as above.
9	Tippoo's Ahmuddy or gold mohur.	1198	Hindustani Inscription.	Hindustani Inscription.
10	Tippoo's Sidduckee or half mohur.	—	Same as above.	Same as above.
11	Sooltanie Pagoda.	1198	Hindustani Inscription.	Hyder's initial.
12	Sooltanie Pagoda.	1199	Do.	Do.
13	Sooltanie Pagoda.	1200	Do.	Do.
14	Sooltanie Pagoda.	1216	Do.	Do.
(N. S.)				
15	Dooyeem Fanam.	1199	"Zerb Puttun" and date.	Hyder's initial.
16	Dooyeem Fanam.	1200	Same as above.	Same as above.
17	Dooyeem Fanam.	12**	Same as above.	Same as above.
18 to 20	Avul Fanam.	1219	.....	Same as above.
21	Nuggur-salay Fanam.	1199	"Zerb nuggur" and date.	Same as above.
22 and 23	Nuggur-salay Fanam.	1200	"Zerb-nuggur" and date.	Same as above.
24	Dhotie Fanam.	1217	.....	Same as above.
25 and 26	Sooltan Calicut.	1200	Calicut Zerb and date.	Same as above.
27	Sooltan Calicut.	1215	Calicut Zerb and date.	Same as above.
28 and 29	Syed Sabce Fanam.	—	Khalekhabad Zerb and date.	Same as above.
30	Farockie Pagoda.	1220	"Farockie."	
31	Kristna raj Pagoda.	—	Figure of Cali.	"Sree Kristna Raj" in Nagari.
32	Kristna raj $\frac{1}{2}$ Pag.	—	Same as above.	
33 and 34	Cali or Doorgee F.	—		
35	Doorgee Pagoda.	—	Doorgee.	
36 and 37	Doorgee $\frac{1}{2}$ Pagoda.	—		

MADRAS.

No.	Names.	Years.	Design on Obverse.	Design on Reverse.
38	Molay Doorgee Pag.	—	Figure of Doorge.	
39	Molay Doorgee $\frac{1}{2}$ Pagoda.	—	Do.	
40	Culookontay $\frac{1}{2}$ Pag.	—	Do.	(Said to be a forgery.)
41 and 42	P. Balapoor Fan.	—	Word Balapoor in Hind.	Word Balapoor in Hind.
43 to 45	L. Balapoor or Poodoo badsha Fan.	—	Do.	Do.
46 and 47	Nundy Fanam.	—	Monogram.	Monogram.
48 and 49	Seera Fanam.	—	Do.	Do.
50	Colar Mahd. Shahee.	—	Zerb Colar.	Mahd. Shah.
51	Ikkery Pagoda.	—	Figures of	"Sree" in Nagari.
52	Seevarai $\frac{1}{2}$ Pagoda.	—		
53 and 54	Coondghull Fanam.	—	Twelve dots.	Plain.
55 and 56	Soobroya Fanam.	—	A cobra in crawling attitude.	"Sree" in Nagari.
57	Puddugee Soobroya Fanam.	—	A cobra with hood distended	Same as above.
58 and 59	Buswan Fanam.	—	A bull.	"Shahoo raja."
60 to 62	Nerputtie Fanam.	—		
63	Gootie Fanam.	—		
64	Harponhully Pagoda.	—	Figure of Doorgee ?	
65	Gugputtee Pagoda.	—	An Elephant.	A scroll.
66	Gugputtee Fanam.	—	do.	do.
67 to 69	Namdharie Fanam.	—	The Brahmin mark.	
70 and 71	Jinkee Fanam.	—	A Griffon.	
72	Chendoo Bahadurie Fanam.	—		
73	Parsee Fanam.	—	Inscription in Hind.	Inscription in Hind.
74 to 76	Gidd Canteroy Fanam.	—	Figure of Nursima.	Symbols of sun and moon.

5821. Silver Coins of Mysore.

1	Chicca Deo Raj Fanam.	—	Figure of Cali.	"Chicca deo Raj" in Canarese.
2	Nokara or Two Rupee Piece of Tippoo.	—	Inscription in Hind.	Inscription in Hind.
3 to 5	Tippoo's Rupees.	—	Same as above.	Same as above.
6 and 7	Tippoo's half Rupees.	—	Same as above.	Same as above.
8	Tippoo's $\frac{1}{4}$ Rupee.	—	Backarie zerb Puttun.	
9 and 10	Tippoo's $\frac{1}{8}$ Rupee.	—	Cazmi zerb puttun.	
11 and 12	Raja Rupee.	—	Inscription Hind.	Inscription in Hind.
13 and 14	Raja's $\frac{1}{4}$ Rupee.	—		
15 and 16	Uddah or half Fanam.	—		
17 to 19	Hagah or $\frac{1}{2}$ Fanam.	—		
20 and 21	Cali Fanams.	—	Figure of Cali.	Words, "Meillie hanna."

MADRAS.

5822. Copper Coins of Mysore.

No.	Names.	Year.	Where Coined.	Design on Obverse.	Design on Reverse.
1	Mysore Dood.	1190	Capital.	Elephant facing right.	"Puttun zerb" and date.
2	Mysore Dood.	1200	Nuggur.	Elephant facing right and date from R. to L.	"Nuggur zerb."
3	Mysore Dood.	1200	Calicut.	Same as above.	"Calicut zerb" sun &c.
4 & 5	Mysore Dooganies.	1200	Capital.	Eleph. facing left, date L.R.	"Puttun zerb."
6 to 8	Mysore Cash.	1200	Do.	Same as above.	Do.
9	Mysore Dooganie.	1201	Do.	Eleph. facing left, date R.L.	Do.
10 to 12	Mysore Doods.	1210	Do.	Do.	Do.
13 to 15	Mysore Cash.	1210	Do.	Do.	Do.
16	Mysore Cash.	1210	Bangalore.	Elephant facing right, date L. R.	"Bangalore zerb."
17	Mysore Dood.	1215	Calicut.	Elephant facing right, date R. L.	"Calicut zerb."
18	Mysore Dood.	1216	.....	Eleph. facing left, date R.L.	"Nuggur zerb."
19	Mysore Dood.	1216	Nuggur.	Elephant facing right, date R. L.	"Nuggur zerb."
20	Mysore Doogany.	1216	Nazarbar.	Eleph. facing left, date R.L.	"Nazarbar zerb."
21	Mysore Dood.	1216	Capital.	Do.	"Puttun zerb."
22	Mysore Cash.	1216	Bangalore.	Do.	"Bangalore zerb."
23	Mysore Cash.	1216	Do.	Elephant facing right, date L. R.	Do.
24	Mysore Cash.	1216	Nuggur.	Eleph. facing left, date R.L.	"Nuggur zerb."
25	Mysore Dood.	1217	Islamabad.	Do.	"Islamabad zerb."
26	Mysore Dooganie.	1217	.....	Do.	
27 to 30	Mysore Cash.	1217	Capital.	Do.	"Puttun zerb."
31	Mysore Dood.	1217	Furkee.	Do.	"Furkee zerb."
32 & 33	Mysore Dooganie.	1217	Capital.	Do.	"Puttun zerb."
34	Mysore Dood.	1218	Furkee.	Do.	"Furkee zerb."
35	Mysore Dood.	1218	Bangalore.	Do.	"Bangalore zerb."
36	Mysore Dood.	1218	Islamabad.	Do.	"Islamabad zerb."
37	Mysore Dood.	1218	Nuggur.	Do.	"Nuggur zerb."
38	Mysore Dooganie.	1218	Feizabad.	Do.	"Feizabad zerb."
39	Mysore Dooganie.	1218	Furkhabad.	Do.	"Furkhabad zerb."
40	Mysore Dooganie.	1218	Bangalore.	Do.	"Bangalore zerb."
41	Mysore Dooganie.	1218	Moozufferabad.	Do.	"Moozufferabad zerb."
42	Mysore Cash.	1218	Capital.	Do.	"Puttun zerb."
43 to 45	Mysore Cash.	1218	Bangalore.	Do.	"Bangalore zerb."
46	Mysore Cash.	1218	Capital.	Eleph. facing left, date L.R.	"Puttun zerb."
47 & 48	Mysore Half-cash.	1218	Bangalore.	Eleph. facing left, date R.L.	"Bangalore zerb."
49 & 50	Mysore Dooganies.	1218	Do.	Do.	Do.
51 & 52	Mysore Cash.	1218	Do.	Do.	Do.
53 & 54	Mysore Dood.	1219	Nuggur.	Do.	"Nuggur zerb."
55 & 56	Mysore Dooganie.	1219	Capital.	Do.	"Puttun zerb."
57 to 59	Mysore Dooganie.	1219	Bangalore.	Do.	"Bangalore zerb."
60	Mysore Half-cash.	1219	Do.	Do.	Do.

MADRAS.

No.	Names.	Year.	Where Coined.	Design on Obverse.	Design on Reverse.
61	Mysore Dooganie.	1220	Capital.	Elephant facing left & date.	"Puttun zerb."
62 to 72	Mysore Cash.	1220	Do.	Elephant facing R.	Date, the word "Akhtur" and "zerb puttun."
73	Mysore Half-cash.	1220	Do.	Do.	Date and ———
74	Mysore Dood.	1221	Do.	Eleph. facing R. and date.	"Puttun zerb."
75	Mysore Dood.	1221	Do.	Eleph. facing L. and date.	Do.
76	Mysore Dooganie.	1221	Feizabad.	Eleph. facing R. and date.	"Feizabad zerb."
77 & 78	Mysore Cash.	1221	Capital.	Do.	"Puttun zerb."
79	Mysore Cash.	1221	Do.	Do.	"Akhtur zerb Puttun."
80	Mysore Dood.	1222	Nuggur.	Eleph. facing L. date R. L.	"Zahera zerb Nuggur."
81 to 84	Mysore Doods.	1222	Capital.	Eleph. facing R. date R. L. and Moulodie.	"Zahera zerb Puttun."
85	Mysore Dooganie.	1222	Nuggur.	Eleph. facing L. date R. L.	"Baheram zerb nuggur."
86 to 89	Mysore Dooganie.	1222	Capital.	Do.	"Baheram zerb Puttun."
90 & 91	Mysore Cash.	1222	Do.	Eleph. facing R. date R. L.	"Akhtur zerb Puttun."
92 to 94	Mysore Cash.	1222	Do.	Do.	"Zerb Puttun."
95	Mysore Double Dood.	1223	Do.	Eleph. facing R. date Moulodie and a square device.	"Mushteri zerb puttun daroolsultanut."
96	Mysore Dood.	1223	Do.	Eleph. facing R. and date.	"Zerb Puttun."
97	Mysore Dood.	1223	Do.	Eleph. facing R. and date Moulodie.	"Zahera zerb Puttun."
98 & 99	Mysore Dooganie.	1223	Do.	Eleph. facing L. & date R. L.	"Baheram zerb Puttun."
100	Mysore Cash.	1223	Do.	Do.	"Akhtur zerb Puttun."
101	Mysore Dood.	1224	Do.	Eleph. facing R. and Hind. letter A.	Date Moulodie "Zahera zerb Puttun."
102	Mysore Dood.	1224	Do.	Eleph. facing R. and date.	"Zerb Puttun."
105 to 108	Mysore Dooganies.	1224	Do.	Eleph. facing R. & letter A.	Date "Baheram zerb puttun."
109 to 115	Mysore Cash.	1224	Do.	Do.	Date "Akhtur zerb Puttun."
116	Mysore Half-cash.	1224	Do.	Do.	Date "—— zerb Puttun."
117 to 119	Mysore Double Dood.	1225	Nuggur.	Eleph. facing R. & letter B. surrounded by a device.	"Zerb Puttun daroolsultanut sun moulodie Mushteri."
120 to 125	Mysore Dood.	1225	Capital.	Eleph. facing R. & letter B.	Date moulodie "Zahera zerb puttun."
126	Mysore Dood.	1225	Nuggur.	Do.	Date Moulodie "Zahera zerb puttun."
127 to 132	Mysore Dooganie.	1225	Capital.	Do.	Date "Baheram zerb puttun."
133 to 135	Mysore Dood.	1226	Do.	Eleph. facing R. & letter T.	"Zahera zerb Nuggur" and date Moulodie.
336 to 138	Mysore Dood.	1226	Do.	Do.	"Zahera zerb Puttun" & date Moulodie.
139	Mysore Dooganie.	1226	Do.	Do.	"Baheram zerb Puttun."
140 to 151	Mysore Cash.	1226	Do.	Do.	"Akhtur zerb Puttun."
152	Mysore Half-cash.	1226	Do.	Do.	"—— zerb Puttun."
153 to 155	Mysore Dood.	—	Do.	Eleph. facing Right.	"Zerb Puttun."
156	Mysore Dooganie.	—	Do.	Do.	Do.
157	Mysore Cash.	—	Do.	Do.	Do.

MADRAS.

No.	Names.	Year.	Design on Obverse.	Design on Reverse.
158 to 161	Mysore Doods.	—	Elephant f. Left, symbols of sun and moon, and Sree.	Value in various languages.
162 to 165	Mysore Dooganies.	—	Do.	Do.
166 to 172	Mysore Cash.	—	Do.	Do.
173	Mysore Dood.	—	Elephant f. Left, symbols of sun and moon, and Sree underlined.	Do.
174	Mysore Cash.	—	Do.	Do.
175 to 177	Mysore Chamoondie Doods.	—	Elephant f. Left, symbols of sun and moon, Sree and word Chamoondie.	Do.
178 & 179	Mysore Chamoondie Dooganie.	—	Do.	Do.
180 to 184	Mysore Chamoondie Cash.	—	Do.	Do.
185 to 189	Kristna raj Chamoondie Cash or 5 Pie piece.	—	Lion with symbols of sun, moon &c.	"Kristna" and value in various languages.
190	Kristna raj Dooganie	—	Do.	Do.
191 & 192	Kristna raj Cash.	—	Do.	Do.
193	Kristna raj Dood.	1834	Lion with symbols of sun, moon &c. and date.	Do.
194	Kristna raj Dood.	1836	Do.	Do.
195	Kristna raj Dood.	1837	Do.	Do.
196	Kristna raj Dood.	1838	Do.	Do.
197	Kristna raj Dood.	1839	Do.	Do.
198	Kristna raj Dood.	1840	Do.	Do.
199	Kristna raj Dooganie	1840	Do.	Do.
200	Kristna raj $\frac{1}{2}$ Cash.	1840	Do.	Do.
201	Kristna raj Dood.	1843	Do.	Do.
202	Kristna raj Dood.	1843	Do.	Do.
203	Kristna raj $\frac{1}{2}$ Cash.	1843	Do.	Do.
204	Kristna raj Cash.	—	Elephant facing left and symbols of sun and moon.	"Sree Kristna Raj" in Nagari.
205 to 207	Mysore Dooganie & Cash.	1220?	Elephant facing L. and date.	Khalikabad Zerb.
208 to 211	Mysore Cash.	1220?	Elephant facing R. and date.	Do.
212 to 223	Elephant Cash.	—	Elephant facing Right.	Hatched lines.
224 to 232	Elephant Cash.	—	Elephant facing left.	Hatched lines and date.
233 to 238	Elephant Cash or Chendra Cash.	—	Elephant facing left and symbols of moon.	Hatched lines and circles.
239 to 246	Elephant Cash.	—	Elephant facing left and symbols of sun and moon.	Do.
247	Elephant half Cash.	—	Elephant facing left.	Hatched lines and date.

5823 Medals.

1	Medal of Louis XVI.	Bust of Louis XVI. with the legend "Louis XVI, restaurateur de la liberte Francaise."	View of the National Assembly—Legend "Abandon de tous les priveleges" and on the exergue Assemble National IV. Aout 1839.
2	Medal of Ludovicus the Great.	Bust of Ludovicus with the words "Ludovicus magnus rex Christianissimus."	Neptune crowning a warrior and Motto, "Rhoda Catalon iterum capta."
3	Do.	Do.	An angel crowning a mounted warrior and in the exergue the words "Philippus V. Hispaniarum rex Ludovici magni nepos de Germanis ad Luceriam Mantue XX August MDCCXI." surmounted by Motto, "Virtus avita."
4	Medal of Ludovicus XIII.	Bust with words Ludovicus XIII. Rex Christianissimus.	Justice with the sword and balance, a figure kneeling in front pouring Money from a cornucopia, Motto, "Peculatores bonis mulctata."
5	Do.	Do.	Piety feeding the Hungry, with motto, "Fames pietate principis sulevata MDCLXII."
6	Do.	Do.	A kneeling figure crowned presenting a key to a winged angel in return for a cornucopia of fruit, Motto, "Rex victor et locupletator" on the exergue "Insula capta MDCLXVII."
7	Medal of Ludovicus the Fifteenth.	Bust of Ludovicus and his ——— with legend "Lud. XV. Fr. et. nav. Rex. Mar. ann. vict. Hisp. inf. in the exergue "Ludovici magni pronepotes."	Procession passing beneath triumphal arch.
8	Taking of the Bastille.	View of the taking of the Bastille.	
9	Battle of Marengo.	Bust of Napoleon and view of battle of Marengo.	Napoleon on horseback casting a thunderbolt at Mt. St. Bernard.

MADRAS.

R. KENNEDY, ESQ. ASST. CIVIL ENGINEER,
EXHIBITOR.

5824 Model of a lock with gates complete for the
Sadras Canal.

THE MADRAS SCHOOL OF INDUSTRIAL ARTS,
EXHIBITORS.

5825 Minerals from the Railway cuttings between
Madras, Awady and Amoor.

5826 Minerals from the first explorations of the
Godavery.

5827 Minerals from the Nellore District sent by
F. H. Crozier, Esq.

5828 Gypsum formations of Southern India.

5829 Gypsum formations and Fossils of Ootatoor
near Trichinopoly.

5830 Gypsum formations and Fossil Shells from
the Banks of the Canal near Ennore.

5931 Gypsum formations and Fossil wood and Sul-
phuret of Iron, Pulicat.

5832 Limestone series of Southern India.

5833 Marls.

5834 Nodular Limestones.

5835 Concretionary Limestones.

5836 Septaria or Fossil balls of Limestone.

5837 Sedimentary Limestone.

5838 Tuffaceous Limestones.

5839 Magnesian and Hydraulic Limestones.

5840 Compact Grey Limestones.

5841 Blue Limestones.

5842 Silicious Slaty Limestones.

5843 Lithographic Limestones.

5844 Marbles.

5845 Blue Mountain Limestones containing Fossils.

5846 Calcareous Spar and primitive Limestone.

5847 Sand Stones and Slate—Series.

5848 Soft Sedimentary Grits.

5849 Recent Alluvial Sandstones.

5850 New Red, White and Yellow Sandstones.

5851 Free Stones, Polishing powders and Tripoli.

5852 Soft polishing Slates.

5853 Aluminous Slates and Shales.

5854 Whet Slates and burnishing Slates.

5855 Mica Slates.

5855½ Chlorite Slates.

5856 Talc Slates.

5857 Greenstone Slates.

5858 Hornblende Slates.

5859 Slaty Granites and primitive Rocks.

5860 Flinty Slates.

5861 Clays, Fire Clays, and Pottery materials.

5862 Loams Marls and Earths used in making
Bricks and building materials.

5863 White, Yellow and Brown Clays used in Pot-
tery.

5864 Colored Clays used for Terracotta wares.

5865 Fire Clays and Materials used for Chemical
wares.

THE CHAMBER OF COMMERCE, EXHIBITORS.

Samples of produce received from England.

(The sums marked opposite each are the selling prices
in London.)

Sugars.

5866	Bengal, Benares.	per cwt.	£1 16 0
5867	„ Cossipore,	„	1 16 0
5868	„ Date,	„	1 12 0
5869	Siam.	„	1 14 6
5870	Jamaica,	„	1 10 6
5871	Barbadoes,	„	1 13 0
5872	Porto Rico,	„	1 14 0
5873	Cuba, Muscovado,	„	1 11 6
5874	„ yellow clayed,	„	1 13 6
5875	„ brown clayed,	„	1 10 6
5876	Mauritius yellow,	„	1 12 6
5877	Brazil, Pernambuco, white,	„	1 15 0
5878	„ „ brown „ ..	„	1 8 6
5879	„ Bahia „ ..	„	1 9 0
5880	Rice, American,	„	1 4 0

Saltpetre.

5881	S. American or Nitrate of Soda,	„	0 18 0
5882	Calcutta, good,	„	1 17 0

Coffee.

5883	Arabian Mocha,	„	4 2 0
5884	Ceylon Plantation.	„	3 8 0
5885	„ Native,	„	2 12 0
5886	Java,	„	2 16 0
5887	Singapore (Bugis)	„	2 9 0
5888	S. American, Costa Rica,	„	2 19 0
5889	„ Rio,	„	2 7 0
5890	W. India, Jamaica,	„	3 0 0

Wools.

5891	Australian Sydney clothing, fine per lb.	2 5
5892	„ do. do inferior	1 6½
5893	„ Van Dieman's Land comb-	2 3
5894	„ ing, good Port Phillip,	2 4
5895	„ Cape of G. Hope, superior.	2 0
5896	„ do. inferior.	1 5½
5897	„ Port Phillip greasy,	1 1½
5898	German, a small Cabinet sample of very fine,	5 0
5899	„ Fine	4 0
5900	„ Not so fine,	3 3
5901	„ Medium,	2 8
5902	Portugal In grease,	0 7½
5903	Peruvian Alpaca, White and coloured 2-4 to	2 8
5904	Constantinople, Goats, good	2 4
5905	Russian Merino Moscow	2 10
5906	„ Odessa Brookwashed	2 0
5907	„ Amskoi, good	0 10
5908	Italian Skin	1 6
5909	Egyptian	1 1
5910	Buenos Ayres, Scoured	1 6
5911	„ Common	0 68
5912	S. American, Vicuna	6 7½
5913	Buzsarah	1 0

MADRAS.

5914 East India good white	1 to 1 0	5966 Dragon's Blood, Lump, per cwt.	16 0 0
5915 " " " " yellow	" 0 11	5967 " " Reed, " "	12 0 0
5916 " " " " brown	7 to 0 8	5968 Cubebs, " "	6 10 0
5917 " " " " black	7 to 0 8	5969 Cardamoms, Malabar, per lb.	0 3 6
5918 China, Shanghae	7 to 0 8	5970 " Madras, " "	0 2 10
5919 Cashmere, white	2 4	5971 " Ceylon, " "	0 1 3
5920 " coloured.	2 2	5972 Nux Vomica, per cwt.	0 12 0
<i>Cottons.</i>			
5921 American, middling Upland	per lb. 6 3	5973 Senna, Tinnevely, per lb.	0 0 10
5922 Egyptian, fully fair	" 6 3	5974 " Bombay, " "	0 0 6
5923 Brazil, good fair Paraiba	" 7 1	5975 Castor Berries, per cwt.	0 10 0
5924 W. India, St. Domingo	" 6	5976 Croton Seeds, " "	5 0 0
<i>Silks.</i>			
5925 China, Canton, per lb.	£ s. d. 0 18 0	5977 Colombo Root, " "	2 10 0
5926 " Taysam, " "	1 0 0	5978 Rhubarb, per lb.	0 5 0
5927 " Tsatlee, " "	1 4 0	<i>Gums.</i>	
5928 " Tram thrown in Engd. " "	1 6 0	5979 Benjamin, Siam, per cwt.	35 0 0
5929 " Biganzine " "	" "	5980 " Sumatra " "	25 0 0
" " from Tsatlee, " "	1 8 0	5981 Myrrh, " "	14 0 0
5930 " " China, " "	1 4 0	5982 Arabic, " "	4 0 0
5931 Italian, white Novi, " "	2 1 0	5983 Olibanum, " "	3 10 0
5932 " Fossombrone, " "	2 0 0	5984 Animi, " "	15 0 0
5933 " Raw Milan, " "	1 18 0	5985 Dammer, " "	3 10 0
5934 " Carded waste, " "	0 7 0	5986 Cowries from Maldives, " "	4 10 0
5935 " Waste, " "	0 5 0	5987 Bees wax, yellow, " "	7 10 0
5936 Bengal Sherripaul, Common " "	0 14 0	5988 India Rubber, per lb.	0 0 7 1/2
5937 " " Native file " "	0 17 0	5989 Gutta Percha, " "	0 1 0
5938 " Jungypore " "	0 17 0	MAJOR P. T. SNOW, EXHIBITOR.	
5939 " Cossimbazar, " "	0 18 0	5990 Basket, made of the Bark of a tree ornamented with Flowers worked in Moose Deer Hair, by the North American Indians.	
5940 " Bakhur, " "	1 0 0	5991 Cigar case, " " " " " "	
5941 " Tram thrown in Engd. " "	1 3 0	5992 Reticule or Bag, " " " " " "	
5942 " Rampore, " "	1 4 0	5993 Pair of slippers in Beadwork, " " " " " "	
5943 " Best Gonatea, " "	1 5 0	5994 3 Lacquered ornaments of Sinde Manufacture.	
5944 " Dowletpore, " "	1 6 0	5995 4 D'oyleys, embroidered, " " " " " "	
5945 " Commercolly Gallempore, " "	1 7 0	5996 Basket of spun Glass.	
5946 " Biganzine thrown in Eng. " "	1 9 0	5997 Crochet collar.	
<i>Indigo.</i>			
5947 Java, fine, " "	0 7 9	LT. COL. W. PITT MACDONALD, EXHIBITOR.	
5948 Bengal, good, " "	0 7 6	5998 Breast Pin set with variegated Sapphire.	
5949 Guatemala, middling, " "	0 4 8	5999 Amber and Gold Hookah mouth piece for conditional sale, Rupees 80.	
<i>Cochineal.</i>			
5950 Fine Honduras, black, " "	0 6 0	MR. GEORGE PROUDFOOT, EXHIBITOR.	
5951 " " silver, " "	0 4 0	6000 Portrait in Oil of Mr. John Proudfoot, by J. Hubbard of London.	
5952 Teneriffe black, " "	0 4 8	J. H. LEVINGE, ESQ. SUB COLLECTOR, TINNEVELLY, EXHIBITOR.	
5953 " silver, " "	0 3 8	7329 6 Quart Bottles of the juice of the Paulee tree, or supposed gutta percha.	
5954 Mexican black, " "	0 4 6	7330 Bundle of the small branches and leaves.	
5955 " silver, " "	0 3 9	7331 Arm of the tree.	
<i>Dyes.</i>			
5956 Seedlac, per cwt.	2 5 0	7332 Packet of the bark of tree.	
5957 Shellac, Orange Button, " "	4 5 0	7333 Two young plants of the tree, with seeds also planted in the same basket.	
5958 " Liver, " "	2 18 0	7334 Sketch of the tree, leaves, &c.	
5959 " Orange, " "	2 16 0		
5960 " Garnett, " "	2 15 0		
5961 Lac dyes, various brands, per lb.	0 2 3		
5962 Safflower, per cwt.	7 0 0		
<i>Drugs.</i>			
5963 Turmeric, " "	2 0 0		
5964 Alocs Soccotrine, " "	14 0 0		
5965 Gamboge, " "	7 0 0		

MADRAS.

THE MADRAS RAILWAY COMPANY, LOCOMOTIVE
DEPARTMENT, EXHIBITORS. (W. B. WRIGHT,
ESQ., SUPERINTENDENT.)

Articles of English Manufacture.

- 7335 Grooving and rebating Machine for Timber.
7336 Saw bench for do.
(These made by Brown, Marshall & Co. Bir-
mingham.)
7337 Planing Machine for Iron 2 feet stroke.
(by Shanks & Co.)
7338 Slotting Machine for Iron 6 inch stroke.
(by Smith, Beacock and Tannett, Leeds.)
Locomotive Engine Gearing.
7339 Twelve inch Cylinder (cover removed).
7340 Steam Chest (cover removed to show the Steam
and Exhaust Ports.)
7341 Slide valve.
7342 Do. rod.
7343 Two Eccentric sheaves, straps and rods.
7344 Quadrant with Quadrant Block and Suspen-
sion Link complete.
7345 Twelve inch Piston with Packing and Rod
complete (cover removed to show its con-
struction.)
7346 Cross head with motion Blocks attached.
7347 Set of Motion Bars.
7348 Connecting rod complete with brasses, straps
and keys.
5349 Feed Pump with Clack Box complete.

Tools.

- 7350 Traversing Screw Jack (England's Patent.)
7351 Lifting Screw Jack (Brown and Marshall's.)
Articles manufactured in the Madras Locomotive
and Carriage Workshops.

- 7352 Finished Crosshead.
7353 Unfinished do.
7354 Outside connecting rod block end fitted.
7354½ Do. do. do. rough.
7355 Pair of Rollers for carrying warehouse doors.
7356 Pair of Blocks, double and treble.
7357 Engine Screw Coupling.
7358 Model of a Railway Saloon Carriage—Scale 2
in.=1 foot.
7359 Fire Engine complete with Hose.
7360 Engine Axle Box with Brass complete.
7360½ Pattern of Carriage Axle Box.

Smith's Tools.

- 7361 40 pairs of Tongs assorted.
7362 1 Fore Hammer.
7363 1 Quarter do
7364 2 Hand do
7365 3 Set do
7366 10 Circular Sets
7367 10 pairs of Fullers of sizes.
7368 1 Flat Face.
7369 1 Flatter.
7370 10 Gouge Chissels of sizes.
7371 6 Flat Chissels.
7372 5 Square Punches.
7373 5 Round do

- 7374 1 Flat Punch
7375 7 Pointed Punches.
7376 6 pair Swages assorted.
7377 One set of Spanners from ¼ up to 1 inch.
Carpenter's Tools.

- 7378 1 Long jointing.
7379 1 Trying do.
7380 1 Jack do.
7381 1 T do.
7382 1 Smoothing do.
7383 1 Round Sole do.
7384 1 Cornice do.
7385 3 Moulding do.
7386 4 Rebating do.
7387 1 Plough do.

W. B. WRIGHT, ESQ., EXHIBITOR.

- 7388 Self acting punkah (water power.)

R. H. POWYS, ESQ. EXHIBITOR.

- 7389 Pair Burmese Slippers.

- 7390 Burmese cloth.

- 7391 „ boxes of sizes.

LT. COL. J. WHISTLER, EXHIBITOR.

- 7392 Bellary cumblie, Rs. 20.

- 7393 1 doz. pocket handkerchiefs (Ladies') Rs. 6-12.

MR. E. AVERY, INSPECTOR ELECTRIC

TELEGRAPH, EXHIBITOR.

- 7394 Cone of a Cedar of Lebanon, grown in Eng-
land in Lord Cork's garden, brought away
by Dr. Keess.

ARNEE T. VURRAMOORTHY CHETTIAR AND
SOOBOO CHETTIAR, EXHIBITORS.

Arnee Mustins.

- | | | | | |
|------|---|-------|--------------------------|---------|
| 7395 | 1 | Piece | 24 feet by 4 feet 6 inch | Rs. 200 |
| 7396 | 4 | „ | 40 „ „ 3 „ 4 „ each „ | 30 |
| 7397 | 4 | „ | 24 „ „ 3 „ 4 „ „ „ | 20 |
| 7398 | 1 | „ | 24 „ „ 3 „ 4 „ „ „ | 8 |

P. SOMOOSOONTHURM CHETTIAR, EXHIBITOR.

- 7899 Silver jug with three compartments in which
3 different kinds of liquors may be kept Rs. 170

THE NATIVE FEMALE CENTRAL SCHOOL,
EXHIBITORS.

Miss Jessie J. Hogg, Superintendent.

- | | | | | |
|------|---------|---------|---------------|-----------|
| 7400 | Large | crochet | Antimacassar, | Rs. 4 0 0 |
| 7401 | Small | do | do | 3 0 0 |
| 7402 | Bread | Cloth. | | 1 0 0 |
| 7403 | Pairs | Socks. | each, | 2 8 0 |
| 7404 | Crochet | collar. | | 1 8 0 |
| 7405 | do | do | | 1 0 0 |
| 7406 | Knitted | collar | | 1 4 0 |
| 7407 | do | do | | 1 0 0 |
| 7408 | 4 yards | crochet | lace | 1 0 0 |
| 7409 | „ | do | do | 1 0 0 |

V. NARASIMLOO CHETTY, EXHIBITOR.

- | | | | | |
|------|---------|-------------|-------------------------|-------------|
| 7410 | Women's | cloth, gold | laced, silk &
cotton | Rs. 184 0 0 |
| 7411 | Do. | do. | „ | 137 10 0 |
| 7412 | Do. | do. | „ | 33 12 0 |
| 7413 | Do. | do. | „ | 18 8 0 |
| 7414 | Do. | do. | „ | 20 0 0 |

MADRAS.

7415	Women's cloth, gold laced, silk & cotton, Rs.	20	8	0
7416	Do. do. "	28	10	0
7417	Do. do. "	20	4	0
7418	Do. do. "	42	8	0
7419	Do. do. "	24	3	0
7420	Do. do. "	34	0	0
7421	Do. do.	8	8	0
7422	Do. do.	6	0	0
7423	Do. do.	5	1	0
7424	Do. do.	5	1	0
7425	Do. do.	4	8	0
7426	Sithauday	2	0	0
7427	do.	2	2	0
7428	Turban	7	14	0
7429	Do.	4	2	0
7430	Do. Gold laced.	19	8	0
7331	Do.	6	8	0
7432	Do.	2	4	0
7433	Head cloth, or Rumaul, Gold laced.	7	7	0
7434	Do. do. do. do. do.	59	0	0
7435	Do. do. do. do. do.	6	12	0
7426	Do. do. do. do. do.	15	0	0
7437	Men's cloth. Gold laced.	39	6	0
7438	Do. do. do.	24	12	0
7439	Women's Petticoat or raveckay	4	8	0
7440	" " " " "	5	10	0
7441	" " " " "	9	10	0
7442	Gold Lace $\frac{1}{2}$ oz.	4	8	0

THE MADRAS SCHOOL OF INDUSTRIAL ARTS, EXHIBITORS.

7443 Potstone and Dolomite
Materials used in Glazing Porcelain.

7444 Quartz.
7445 Rock crystal.
7446 Selenite.
7447 Chalk.
7448 Marble.
7449 Gypsum.

Materials used in the Manufacture of Glass.

7450 Quartz.
7451 White sand.
7452 Hyalite.
7453 Rock Crystal.
7454 Flint.
7455 Basalt.
7456 Granite.
7457 Greenstone.

Alkalies.

7458 Soda
7459 Purified do
7460 Dhobies' Earth
7461 Salt
7462 Wood ashes.
7463 Pearlash.
7464 Potash.
7465 Salt petre.
7466 Borax or Tincal.
7467 Lead Ore or Galena.
7468 Minium or Yellow Oxide of Lead.

7469 Litharge or vitrified Oxide of Lead.
7470 Red Lead.
7471 Cullet or broken glass.
Colored Earths and Materials used for Dips, Smears and Ornamental Pottery.
7472 Metallic Ores used in coloring Pottery.
7473 Materials used for Glazing Pottery.
7474 Porcelain Materials.
7475 Kaolins.
7476 Decayed Granites or Porcelain Earths.
7477 Felspars.
7478 Albite.
7479 Cleavelandite and Fibrolite.
7480 Baryta.
7481 Magnesite.
7482 Steatite.
7483 Mica, and Talc Schists.

THE ARSENAL, FORT ST. GEORGE, EXHIBITORS.

Blocks Purchase Wooden.

7484 Treble 12 Inches, Country.
7485 Double 12 " "
7486 Single 12 " "
7487 Treble 10 " "
7488 Double 10 " "
7489 Single 10 " "
7490 Double 8 " "
7491 Single 8 " "
7492 " 7 " "
7493 Double 6 " "
7494 Single 6 " "
7495 Treble 12 " Europe.
7496 Double 12 " "
7497 Treble 10 " "
7498 Double 10 " "
7499 Snatch wooden " "
7500 Double 8 Inches Iron Bound, Europe.
7501 Single 8 " " "
7502 Double 7 " Enrope.
7503 Single 7 " "

Blocks with brass rollers.

7504 Double 9 Inches Europe.
7505 Single 9 " "
7506 Double 8 " "
7507 Single 8 " "
7508 Double 7 " "
7509 Single 7 " "
7510 Double 6 " "
7511 Single 6 " "
7512 Block with Brass Sheaves & Rollers 5 Inches Double, Europe.
7513 " " " " " 5 " "
Single, Enrope.

Ropes, Country, Experimental, received from the Arsenal of Secunderabad.

7514 Country, Sunn Fibre $4\frac{1}{2}$ Inch. yards 50
7515 " " " $3\frac{3}{4}$ " " 50
7516 " " " $3\frac{3}{4}$ " " 53
7517 " " " $4\frac{1}{2}$ " " 51
7518 " " " $3\frac{1}{2}$ " " 56
7519 " " " $2\frac{1}{2}$ " " 45

MADRAS.

7520	Country, Sunn Fibre	3 $\frac{1}{2}$	Inch. yards	52
7521	" " "	3	" "	53
7522	" " "	3	" "	52 $\frac{1}{2}$
7523	" " "	2	" "	53
7524	Country, Hingolee, Ambarree.			
	Fibre	4 $\frac{1}{2}$	" "	50
7525	" " "	3	" "	51
7526	" " "	4 $\frac{1}{2}$	" "	51 $\frac{1}{2}$
7527	" " "	4	" "	53
7528	" " "	3	" "	52
7529	3 Specimens of Hingolee Ambarree Fibre			
7530	3 " Sunn Fibre			

C. RAMASAWMY CHITTY, DUBASH TO MESSRS.

WALKER AND CO., EXHIBITOR.

7531 Medicinal roots and shrubs.

Phyllanthus Niruri.	Mimosa flexuosa.
Tragia involucrata.	Volkameria inermis.
Jasminum angustifolium.	Inula Indica.
Jasminum undulatum.	Calotropis gigantea.
Solanum trilobatum.	Periploca Indica or Sarsaparilla
Yitex Negundo.	Solanum Indicum.
Hyperanthera Moringa.	Alpinia Galanga Major.
Gmelina Asiatica.	Bauhinia tomentosa. Nerium
Clerodendrum Phlomisoides.	Antidysenterium.
Crataeva religiosa.	Medicinal Root used as a re-
Bignonia Chelonoides.	medy for Dysentery.
Crataeva Tapia.	Artificial Salt used as a pur-
Plumbago Zeylanica.	gative.
Solanum Jacquini.	Cyperus graminifolius.
Solanum Indicum.	Piper Longum.
Ocimum Basilicum.	Alpinia Galanga.
Mimosa Triquetra.	Tragia involucrata.
Zingiber Officinale.	Cassia Auriculata.

7532 Oils.

Ground Nut Oil.	Soap Nut Oil.
Cocoonut "	Margosa "
Castor "	Northern Ghee.
Gingely "	Honey.
Linseed "	Lamp Oil.

7533 Grains.

Bengal Rice (2)	Millet.
Madras common Rice (4)	Paspalum frumentaceum.
" Table Rice.	Papaver somniferum.
" Rice used by lower	Maize (2)
orders of the people (2)	Dolichos Catjang (2)
" Rice used as a luxury	Dolichos Tetraspermus.
among Mahomedans.	Green Gram (2)
" Rice used as a luxury	Cytisus.
among Hindus.	Mace.
Paddy different kinds (5)	Bengal Gram.
Bangalore wheat.	Phaseolus radiatus.
Bengal wheat.	Peas.
Raggy.	Horse Grain.
Holcus Spicatus.	

7534 Seeds &c.

Gingely Seeds.	Cumin.
Lamp oil "	Peangreek.
Castor oil "	Mustard.
Coriander "	Long Pepper.
Anjofia (Portuguese name).	Cloves.
Common Pepper.	Cardamoms.
Dry Ginger.	Cubebs.
Ground Nuts. (2)	Linseed.
Turmeric. (3)	Gallnut (3)
Anise Seed.	Compound of Terra Japonica
Cucumber Seeds.	with different spices.

THE MADRAS SCHOOL OF INDUSTRIAL ARTS, EXHIBITORS.

7535	Common bricks, 1st Quality.	
7536	do. 2nd "	
7537	do. 3rd "	
7538	Long Bricks.	
7539	Kiek "	
7540	Clapped "	
7541	Facing "	
7542	Dipped Facing "	
7543	Prince Albert's hollow "	
7544	Ornamental verandah "	
7545	Partition wall "	
7546	Large building "	16 inches 8 by 4
7547	Glazed building "	
7548	do large "	
7549	Hollow Pillar "	Lt. Puckle's muster.
7557	Circle and well "	
7551	Arch "	
7552	Key "	
7553	Large key "	
7554	Small paving Tiles	
7555	Medium sized paving "	
7556	Large Paving "	
7557	Glazed Paving "	
7558	Glazed Verandah "	
7559	Quarries of Fire Clay	
7560	Quarries plain and of Fire Clay	
7561	Inlaid encaustic Tiles	
7562	Glazed encaustic "	
7563	Ornamental Verandah "	
7564	Cornice and Balustrade "	
7565	Roofing "	
7566	Italian Roofing "	
7567	Hollow roofing "	
7568	Wedge shaped Roofing "	
7569	Glazed roofing "	
7570	Godown roofing "	
7571	Water pipes of 2 qualities and sizes	
7572	Glazed water pipes	
7573	Knee, elbow and joint pipes	
7574	Fire Bricks 1st quality for Potter's furnaces	
7575	2nd quality for Iron Puddling do.	
7576	Fire bricks for Reverberatory do.	
7577	Do. for Coke furnaces	
7578	Do. for Sugar boilers do.	
7579	Do. for Bakers' ovens	
7580	Crucibles of 3 sizes for melting brass, Bell-metal &c.	
7581	Spinning Jenny for making string	
7582	Hackle for cleaning Fibres	
7583	Do. do.	
7584	Model of a Copper Plate printing-Press	
7585	Stand for Exhibiting Casts	
7586	Series of 69 Architectural Engravings	
7587	Frame contg. wood engravings.	
7588	Do. copper plate etchings.	
7589	Do. copper plate engravings.	
7590	Do. water color drawings.	
7591	Do. do. do.	

MADRAS.

- 7592 Do. do. of Insects caught in the seas on board the Gloriana, originals drawn by Mr. Toynbee.
 7593 Do. do. of shells caught at sea by Dr. Trail.
 7594 Do. do. of Insects caught at Cud-dapah, drawn by A. Hunter.
 7595 Screen with Photographs by Dr. A. J. Scott.
 7596 Do. by Dr. J. Neill.
 7597 16 Photographs in one Frame.

J. P. NASH, ESQ., M. D. EXHIBITOR.

Collodion Positive Photographs.

- 7598 Government House, Madras.
 7599 Banqueting Hall, Madras.
 7600 St. George's Cathedral, Madras.
 7601 Chepauk Palace, Madras.
 7602 Hindu Pagoda, Bangalore, Gopoorum.
 7603 Do. do. do. Mundapun.
 7604 Monument to the officers and Soldiers who fell at the battle of Bangalore.
 7605 Fort of Bangalore.

LIEUT COL. C. A. DENISON, EXHIBITOR.

- 7606 Large chalk drawing.
 7607 Do. do.
 7608 Colored Photograph.
 7609 Do.
 7610 Crayon drawing.
 7611 Water color drawing.

LIEUT. H. P. HAWKES, S. A. C. GENL; INVENTOR AND EXHIBITOR.

- 7612 Model of a proposed "Extempore Sick Cart."

This consists of the common bandy or Cart of the country with the simple addition of four circular springs, such as are used for stuffing the seats of chairs. These springs are placed at the four corners of any bandy at hand and being kept in their places by the four uprights which support the covering of every bandy require no fastening. In the top of these a hammock, mattress, piece of gunny or rough planking may be fixed and the sick cart is complete. The advantages of this contrivance are as follows:—

(1) Its portability, the four springs being all that it is necessary to carry—these when properly tied would only occupy a space of an inch in depth by five or six inches in diameter, Five or six sets might be easily stowed away in each field medicine chest. (2) Its simplicity. No nails or fastenings of any sort being required. (3). Its adaptability to every situation where a common country cart is procurable.

- 7613 New muster revolving teapoy for Hospitals.

The disadvantages of the ordinary fixed teapoy for hospitals are numerous. The patient lying on his cot can only reach the articles lying on that side of his teapoy nearest to him, and that with difficulty from the great height above the cot of most teapoyes. The advantages claimed for the present invention are as follow.

(1) Its greater convenience—A sick man being on his bed can by merely turning either of the shelves bring every article on the table within his reach.

(2) Its greater capacity—The two shelves presenting a much larger surface than the ordinary muster and from their different heights they can be used by the patient either in the upright or recumbent posture.

(3) Its portability—By unscrewing the nuts, the shelves take off for packing.

- 7614 Mill for distilling and rectifying spirit.

Constructed on the principle of the best English stills, but so simple that a native may make and work it with ease.

- 7615 Proposed plan of exhibiting wood in a Museum.

A specimen of wood of the ordinary size of the tree is roughly shaped into the form of a book, the two sides of which will show the vertical, whilst the top and bottom will exhibit the horizontal grain, and fibre of the wood. One side of the block may be polished to shew its adaptability for Cabinet work. The interior is hollowed out to contain specimen of the fruit, flower, and leaf of the tree, with any particulars regarding it, as well as for samples of the gun, oil, or other valuable substance which it may produce. These blocks being numbered and labelled on the back are placed like books in a book case and are always available for reference.

By choosing as the specimens slabs of wood of the size to which the tree usually attains and arranging them accordingly, the Mechanic may see at a glance the woods which will suit his purpose. Whereas, by cutting each specimen to the same measure as is usually done, no idea of the relative sizes of wood procurable can be formed.

- 7616 Portable self-adjusting iron wash stand.

The advantages of this modification over the old pattern are, its strength and portability and the ease with which it may be adjusted to suit any sized basin, by merely lifting up the soap tray below.

- 7617 Book on coins of Mysore published by Exhibitor.

MESSRS. GRIFFITHS AND Co., EXHIBITORS.

- 7618 French Glass Dessert Service with gilt tendril wreaths consisting of 2 Centres, 4 Comports, 30 Plates, 15 Custard glasses, 4 Cream bowls with covers and stand, 4 Preserve Dishes with covers and 2 Cake Plates.....Rs. 760 0
 7619 English Egg shell Worcester Porcelain Tea Service, consisting of 10 Tea Cups and Saucers, 1 Slop bowl and 2 Bread plates.... 50 0
 7620 Pair French Blue and gilt Glass Flower Vases No. 2, Richly enamelled 165 0
 7621 Parian Statuette. "Venus" with glass cover on Rosewood stand (English)... 56 0

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7622	Do. do. "Struggle for the Heart" with glass cover on Rosewood stand (do.)	64	0
7623	Vizagapatam Ivory Backgammon Board inlaid with sandal wood, with chess and Backgammon men complete.	150	0
7624	Do. Ivory writing Desk inlaid with Sandalwood,.....	85	0
7625	Bronze spring plate for letters(English)	1	4
7626	Microscope complete in case No. 617,.....	do.	100 0
7627	Piece Long Cloth D. H,.....	do.	12 8
7628	Do. No. 3,.....	do.	14 0
7629	Do. No. 5,.....	do.	16 0
7630	Do. No. 7,.....	do.	26 0
7631	Piece of Jaconet No. 95,.....	do.	15 0
7632	Cashmere Scarf richly worked at Delhi,.....	75	0
7633	Do. do,.....	75	0
7634	Do. do,.....	75	0
7635	Iron Portable folding Chair, (French.)	12	0
7636	Do. with arms,.....	do.	27 8
7637	Iron Portable folding Couch,....	do.	44 0
7638	Maltese Stone vase on Pedestal richly carved,.....	90	0
7639	Do. do.	90	0

MISS M. QUICKLEE, EXHIBITOR.

7640	Pair of Bead Work Bracelets,.....	3	8
7641	Do. do. do. do. ..	3	0
7642	Bead work Bag,.....	1	8
7643	Do. do.	1	4
7644	Crochet collar,.....	1	0
7645	Do. do,	1	8
7646	Do. do,	0	12
7647	Do. do,	0	8
7648	Do. do,	0	12
7649	Do. do,	1	0
7650	Do. D'oley,.....	1	8
7651	Do. Silk,.....	0	6

MR. J. QUICKLEE, EXHIBITOR.

7652	Gutta Percha Tray from Singapore,....	3	8
7653	Do. do. Bucket,.....	2	8
7654	Do. do. Jug,	1	8

DR. G. W. FLYNN, EXHIBITOR.

Alkaline Preparations.

7655	Potass from Saltpetre & Charcoal.		
7656	Carbonate of Potass.		
7657	Bicarbonate of Potass.		
7658	Acetate of Potass.		
7659	Sulphate of Potass.		
7660	Soda from Dhobey's earth.		
7661	Carbonate of Soda.		
7662	Sesquicarbonate of Soda.		
7663	Acetate of Soda.		
7664	Sulphate of Soda—refuse of the manufacture of Hydrochloric Acid.		
7665	Ammonia.		
7666	Sal-ammoniac purified from the Bazar article.		
7667	Liqr. Ammonia.		

7668	Carbonate of Ammonia.		
7669	Sal Volatil, See spirituous preparations.		
7670	Soaps, Plain and Toilet.		

Alkaline Earths.

7671	Heavy Spar.		
7672	Nitrate of Baryta.		
7673	Muriate of Baryta.		

Alcoholic preparations from Jaggery.

7674	Country Arrack, 20 U. P.		
7675	Alcohol, 60 O. P.		
7676	Do. Absolute.		
7677	Sweet spirits of nitre.		
7678	Sulphuric Ether.		
7679	Sal Volatile.		

Mercurial preparations.

7680	Grey Powder.		
7681	Blue Pill.		
7682	Blue Ointment.		
7683	Citrine Ointment.		
7684	Protoiodide of Mercury.		

Opium preparations.

7685	Muriate of Morphia.		
7686	Acetate of Morphia.		
7687	Liquor Opii Sedativa.		

Antimonial preparations from the Country Black Antimony.

7688	Oxysulphuret of Antimony.		
7689	Compound Antimonial Powder.		

Iron preparations.

7690	Sesquioxide of Iron.		
7691	Sulphate of Iron.		

Products from Wood.

7692	Pyroligneous Acid.		
7693	Glacial Acetic Acid.		
7694	Pyroxylic spirit, or wood Naptha, Tar.		

From Country Vinegar.

7695	Distilled Vinegar.		
7696	Strong Acetic Acid.		
7697	Glacial Acetic Acid.		
7698	Nitric Acid from Saltpetre.		
7699	Muriatic Acid from Common Salt.		

Photographic preparations.

7700	Collodion Instantaneous,		
7701	Nitrate of Silver Crystals,		
7702	Sulphate of Iron.		
7703	Transparent Varnish.		
7704	Jet Varnish.		

Perfumery and Toilet Articles.

7705	Brown Windsor Soap,		
7706	Honey soap.		

7709	Frangipani Soap.		
7710	Palmine for Castor oil make a good grease.		

MR. CLEAVES, EXHIBITOR.

Photographic preparations.

7711	Collodion ordinary.		
7712	Iodizing solution.		
7713	Absolute Alcohol.		

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7714 Sulphuric Ether.	7761 Green Roan.	4	0
7715 Nitric Acid.	7762 Chamois,... ..	1	4
7717 Glacial Acetic Acid.	7763 "	0	12
7716 Gun Cotton.			
<i>Perfumery and Toilet articles.</i>			
7718 Indian Frangipani.	7764 Rich wove Paisley Shawl	15	0
7719 Essence of violets.	7765 " " Superfine	35	0
7720 Eau de Cologne.	7766 " Paisley Long Shawl,	45	0
7721 Indian Patchouli.	7767 " Satin Stripe Silk Barege do.	20	0
7722 Jockey club.	7768 " Printed Cashmere Shawl,	14	0
7723 Cosmetic.	7769 " "Hunting Stuart" Long Shawl,	21	0
7724 Rose complexion powder.	7770 " Tartan Wool Square Shawl,	9	
<i>Messrs. Oakes & Co., Exhibitors.</i>			
<i>China Ware and Goods.</i>			
7725 Work Box with carved Ivory fittings with Key,	Rs. 40	0	
7726 Carved Ivory Chessmen,	100	0	
7727 " " Backgammon men,	32	0	
7728 Backgammon Board and men,	30	0	
7729 Piece of Grass cloth.	6	0	
7730 " " " " " " " "	12	0	
7731 " " " " " " " "	6	0	
7732 " " " " " " " "	20	0	
7733 " " " " " " " "	35	0	
7734 " " " " " " " "	40	0	
7735 " " " " " " " "	45	0	
7736 " " " " " " " "	55	0	
7737 " " " " " " " "	60	0	
7738 2 Handsome and Unique Chinese Bronzes, on carved Stands, one represents the Signs of the Zodiac &c.	70 & 100	0	
7739 Crape Shawl	85	0	
7740 Silk Fan with raised Ivory Figures.	8	0	
7741 Book of China rice paper drawing...	25	0	
<i>Long Cloths.</i>			
7742 Piece of Long Cloth.	8	0	
7743 " " " " " " " "	10	0	
7744 " " " " " " " "	11	0	
7745 " " " " " " " "	12	0	
7746 " " " " " " " "	16	0	
<i>Inlaid Papier Machie Ware.</i>			
7747 Writing desk	25	0	
7748 Work Box.	32	0	
7749 Card Box.	20	0	
7750 Envelope case... ..	9	8	
7751 Writing Port Folio,	4	0	
7752 Pen Tray	3	8	
<i>Moderator Lamps.</i>			
7753 Pair of China Gilt Pedestal Moderator Lamps complete, No 186	Rs. 90	pair.	
7754 " " " " " " " "	172	90	
7755 " " " " " " " "	165	35	each.
7756 " " " " " " " "	163	35	"
<i>Skins.</i>			
7757 Patent Calf Skin... ..	7	0	
7758 Bronze and Black Kid,	each	4	0
7759 White Mason's Kid,	5	0	
7760 Purple Morocco,	8	0	
<i>Shawls.</i>			
7761 Green Roan.	4	0	
7762 Chamois,... ..	1	4	
7763 "	0	12	
<i>Brushes.</i>			
7771 Pair of Ladies Fortoise shell highly finished Hair Brushes,.....	pair 14	0	
7772 Do. Ivory " " "	each 23	0	
7773 Do. " " "	19	0	
7774 Pair of Trichosaron Hair Brushes,	pair 7	0	
7775 Gentlemen's Superior "	8	8	
7776 " " " " " " " "	4	0	
7777 Billiard Table Brush,	5	0	
7778 Chimney or Lamp "	1	0	
7779 Scrubbing "	1	12	
7780 Broomheads "	2	0	
7781 Tursheds "	4	0	
7782 Banister "	2	0	
7783 Flat Masons "	2	4	
7784 Horse Brush,.....	3	8	
7785 " "	4	8	
7786 Water "	3	8	
7787 Spoke "	3	8	
<i>Wicker Baskets.</i>			
7788 19 Specimens of White and Painted Wicker Baskets of Sizes from 6 Annas to	3	8	
<i>Electro Plated Vases.</i>			
7789 Electro Plated Bulb Vase,.....	5	0	
7790 " " " " " " " "	10	0	
<i>"Asphalte."</i>			
7791 2 Specimens of Asphalte prepared by Thomas Harrison, Cambridge Heath Wharf, Hackney, London.			
Asphalte is now extensively used in England to resist damp, and where it has been employed in Mauritius, Ceylon, and parts of India, it is found to answer admirably, being impervious to wet, white ants, or vermin, and does not admit of any kind of vegetation (so destructive to buildings in India). rot or decay.			
A ton of Asphalte will cover 360 square feet one inch thick, or in proportion of greater or lesser thickness; and be fit for traffic one hour after being laid down.			
The mode of laying Asphalte is simple and most expeditious for Arches, Brick work, Footways, Tanks, Flat Roofing, &c. Break in pieces,—and with the addition of threefourths, or equal its weight of gravel or sand mixed in whilst boiling,—spread half an inch to one and a half inch thick, according as the traffic, &c., is light or heavy, and apply in one or two coatings; the second sprinkle with fine sand			

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and lightly brush over, *whilst warm*, after which smooth with a cementing trowel, or flat piece of wood.

For dressing "Asphalte Felt" *without* the admixture of gravel or sand, and put on in a boiling state, one eighth of an inch thick with a brush.

Tools required are merely a Wooden Beater to prepare the ground, an Iron Boiler and Ladle, a Bricklayer's Iron Trowel, and a Plasterer's Wooden Cementing Trowel—the latter for levelling and smoothing the surface whilst warm—but so easy is Asphalte of application, that some of these even may be dispensed with, if a little ingenuity is exercised.

MR. J. DESCHAMPS, EXHIBITOR.

Carved Work in Indian Rose wood, manufactured by Exhibitor.

- 7792 Ladies' Book Case, perforated pannels, inside with Satin wood.
- 7793 Pier Glass, with Birds, Reptiles, fruits and flowers of India.
- 7794 Flower stand, with fruits and flowers of India.
- 7795 Do. large, with do. do.
- 7796 Ladies' Devonport with do. do.
- 7797 "Armoire-a-Glace" combining a Lady's Wardrobe and a Cheval glass.
- 7798 Arm Chair with figures of Children, Eagle and flowers.
- 7799 2 Corner Cabinets.
- 7800 Sofa with fancy Rattan seat and Back.
- 7801 2 Drawing room Arm Chairs with fancy Rattan seat and Back.
- 7802 2 Hall Chairs, Rattan seats.
- 7803 Carved Bracket, "Chimera."
- 7804 Do. Bracket, "Rocaille."
- 7805 Dressing Table, Pompadour Style.
- 7806 6 Mountings for Photographs on French and English Frames.

Carved work in Mahogany manufactured by "Balny," Paris.

- 7807 Carved. Drawing-room Sofa, with figures and flowers, style "Rocaillee."
- 7808 Do. Candelabra, with figure of cupid half life size, same style.
- 7809 Do. Arm Chair, Louis XV. style.
- 7810 Do. Pier Table, Louis XV. Style, in Mahogany, manufactured by Exhibitor.
- 7811 Rosace 5½ feet in diameter made of colored glass, manufactured by Exhibitor, the glass French.
- 7812 Specimen of Cayabooka wood, from Straits of Malacca.
- 7813 Do. of knotted Cayabooka wood do. do.

Sevres Manufacture.

- 7814 Plates, Porcelain, for Cabinet Pannels with painted birds and flowers.
- 7815 Porcelain Jardiniere, painted with Bouquets.

French Manufacture.

- 7816 Porcelain Plate with a painting of Clorinda.
- 7817 2 Do. with Historical subjects.
- 7818 6 Do. Ice Plates, gilt.
- 7819 6 Specimens of Tiles.

- 7820 Group of the three Graces in Alabaster, by Canova.

Italian Sculpture.

- 7821 Group figures with Taza in Alabaster.
- 7922 Alabaster Vase with imitation fruits.
- 7823 2 Alabaster Statuettes, "Genie and Baigneuse."
- 7824 2 Statuary Marble Busts, "Bacchus and Ariadne," large size.
- 7825 8 Slabs, Specimen of Marbles, from various parts of Europe and China.
- 7826 2 Bronze Statuettes by Pradier.
- 7827 The Boar Vase, Bronze from *Tahan*, Paris.
- 7828 Egyptian Cup do. do. do.
- 7829 Cup with child & dog. do. do. do.
- 7830 4 Cast Iron Porte-manteau, Cariatides, French manufacture.
- 7831 2 Do. New Wheel-guard, for Porticoes and Porte-Cocheres do.
- 7832 Iron "Espagnolette." The improved mode of fastening doors. French.
- 7833 Do. "Cremone" Do do. do.
- 7834 12 Engravings in frames by the first Artists in France.
- 7835 2 Engravings, Victoria and Albert, in Color, by Winter Halter.
- 7836 Imitation Cornaline Casket from *Tahan*, Paris.
- 7837 Mother O'Pearl, do. do. do.
- 7838 Basket Tortoise shell, do. do.
- 7839 Table Ornaments, Opal Mother O'Pearl, Alabaster and Brass gilt, do. do.
- 7840 Set of Glue pieces and plates engraved for Book Binders, French manufacture.

MAJOR P. T. SNOW, EXHIBITOR.

- 7841 Articles made of Gutta Percha comprising Inkstands, Pen Trays, Brackets, Brush and Soap trays card Baskets.—Rs. 24

W. J. ADDIS, ESQ. EXECUTIVE ENGINEER CHITTLEDROOG DIVISION, MYSORE, EXHIBITOR.

- 7842 Model of brick making machine.

Directions.

Clay to be deposited into frame work marked A A A A, when the lead roller B should be drawn through Pulley C, after which the set of knives marked D will follow and cut the Bricks the required breadths, when the 2d set of knives marked E passing through pullies will cut the bricks the required length, when a cooly or coolies be employed to lift the pallets boards F from underneath the frame work A A A A.

- 7843 Model of Sugar cane mill.

- 7844 Do. Oven.

EDWARD LECOT, ESQ., EXHIBITOR.

- 7845 Oriental uncut ruby, Rs. 500.

CAPTAIN R. W. D. NICKLE, 30TH N. I., EXHIBITOR.

Pen and ink drawings.

- 7846 Tank of the Ascetics at Bhovanesswar.
- 7847 Temple of the Sun at Kanarac.

MADRAS.

MESSRS. G. SCRIVEN & Co, EXHIBITORS.

Electro plate articles.

	RS.
7848 Engraved tea pot,.....	40
7849 2 Toasting forks on Deer handles, each,...	6
7850 2 Children's mugs, do.	15
7851 Claret jug,.....	50
7852 Byson horn Flower holder,.....	70
7853 Child's Electro gilt mug,.....	15
7854 Pair Replated table pedestals,.....	16

MESSRS. FALLON, NICHOLAS & Co., EXHIBITORS.

7855 Frame of Photographs,

7856 Do. Do.

7857 Portrait in oil.

MRS. LASERON, WOODCOTE COONOR, EXHIBITOR.

7858 Basinette Cover.

7859 Pair Slippers.

7860 6 Caps embroidered on white.

7861 Cap with Tassel embroidered on Satin.

These are specimens of Needle work done under the superintendence of Mrs. Laseron by the Jewesses of Cochin on the Malabar Coast. The patterns are drawn by the Jewesses with great rapidity without any copy, they require only a pencil, ruler, and pair of compasses.

CAPTAIN G. STAPLE DOBBIE, ASST. CIVIL ENGINEER DOWLAISHWERAM, EXHIBITOR.

7862 Model of a Paddle Boat built for the Godavery Delta Mission, in the Government Dock yard at Dowlaishweram.

The Boat can be propelled with 3, 4, 5 or 6 men, according to speed required. It was built with the intention of employing 4 men, with whom, 20 revolutions per minute can be obtained, which gives, after deducting slip, a moderate speed. In building the Boat, the comfort and accommodation of the Missionary has alone been thought of and not speed. Mr. E. Towle superintended the building of the Boat.

W. E. UNDERWOOD, ESQ., EXHIBITOR.

7863 Silver Bracelet with stones.

7864 Do. do.

7865 Brooch do.

7866 Electro Plated flower vase.

7867 Bugle.

7868 Lady's Portrait in oil.

7869 Water color Landscape.

7870 Piece Pine apple cloth 10 yards.

7871 Do. Marool Fibre do. do.

7872 Do. Yercum do.

7873 Sandal Wood Box. } Madras made.

7874 Paper Weights. }

7875 Woollen and gold shawl, Madras manufacture.

7876 Photographs.

7877 Eloopoo oil for salad.

7878 Various oils.

JUGGENADA BUTTEN, EXHIBITOR.

7879 15 Gold rings set with precious stones.

7880 2 pairs Bangles, gold, do. do.

7881 2 Breast pins do. do. do.

W. DOWDESWELL, ESQ., EXHIBITOR.

7882 One large Acoustic instrument with flexible tube and ear piece.

THE HON. WALTER ELLIOT, ESQ., EXHIBITOR.

BURMESE ARTICLES.

Pottery Glazed.

7883 2 Large dishes.

7884 2 Water coolers.

7885 2 Lamps.

7886 2 Do.

7887 Small ditto.

7888 5 Hanging Lamps.

7889 Small Cup.

7890 Water spout.

7891 2 Glazed tiles of ancient origin from Tonghoo.

Miscellaneous.

7892 A terra cotta representation of Buddha in relief.

7893 2 Do. do. do. gilt and presented as offerings in temples. Hundreds and thousands of these are found in every sacred place.

7894 Brass reliquary in the form of a *Paha* or *Deh-gope*. It was taken out of an actual *Paha* at Tonghoo removed by the sappers in clearing the cantonment and contained some reliques in the cavity at the top which was made to open for the purpose of receiving them.

7895 Burmese Gong.

7896 Five Burmese combs.

7897 Pair of Burmese sandals.

7898 Burmese Mirror.

7899 Pair of Burmese Ear-rings of horn.

7900 Do. do. do. of wood.

7901 Do. do. do. of do. yellow. laquered and opening so as to form a box.

7902 Do. do. do. of glass.

7903 Do. do. do. of amber.

7904 Set of Burmese scales and weights, of 20, 10, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ Ticals.

7905 3 Burmese memorandum books of cloth or paste board smeared with black, on which accounts &c. are written with a pencil of steatite or *balapam*—like the *cadattams* of Canara.

7906 Balapam pencils.

7907 Two Burmese toys—dancing figures.

(The people are very fond of such playthings. English toys find a ready sale.)

7908 Two Do. do.

7909 Two Do. do. Horses.

7910 A common Dha or woodman's bill.

7911 A do. woodman's bag.

7912 A pair of Burmese tweezers.

Raw Products.

7913 Material used in glazing the pottery, said to be the slag of silver ore, obtained from Ava.

MADRAS.

7914 A sort of resin called *Poon-yet* (*poi-yin-yet*) found in the ground and supposed to be produced by some hymenopterous insect.

(It is used by the Burmese for caulking boats, and by Europeans for stopping cracks in pukka roofs, for which it answers admirably. It becomes soft and plastic in hotwater and is then mixed with petroleum to the proper consistency and applied.)

7915 The same which has been worked up in hot water, and cleaned with the hand preparatory to adding petroleum.

7916 Specimen of Tin ore with quartz and pyrites from the Tavoy Hills.

Articles brought by the Shans from their own country for sale at Moalmain.

7917 Lacquered box, (*This does not differ from the Burmese boxes.*)

7918 The same before the lacquer is applied.

7919 Two Shan pipes. These are used by the common people, a piece of bamboo being stuck in for a tube.

7920 Shan Ink.

7921 Shan Comb.

7922 Shan powder flask.

7923 Shan bullet pouches.

7924 Shan Silk.

7925 Chinese dice with a handle of counters.

7926 Hard, compact, fossiliferous limestone containing shells. (Oldham's Report p. 34.)

From the Farm caves near Moalmain.)

7927 Land, Creek, and Fresh water shells.

7928 Collection of coins of Southern India, and other antiques.

MR. H. SMITH, GOVERNMENT PRESS, EXHIBITOR.

7929 Job printing Machine (Foolscap) Invented by Colonel Hoe of New York.

This Press is capable of throwing off 2,500 impressions per hour with ease, or more, if the feed-boy can supply the sheets. The manner of running the bed is entirely original and is done by means of a crank and lever, which gives it a slow and uniform motion while the impression is being taken, but a quick retrograde movement,—thus combining the advantages of a slow impression with speed. Another new feature of this Press is, that the sheet-flyer is so arranged that no tapes pass round the impression Cylinder, so that whatever sized form is worked there are neither tapes nor fingers to shift. It has also an adjustable knife to the fountain, bearers for the Bed, patent feed-guides, &c. &c.

7930 A Ready Proof Press consisting of a cast-iron table (or bed) and railway, supported by a cast-iron frame in which there is a closet to contain wet paper and the inking roller. The impression is taken by a solid cast-iron Cylinder with flanges at each end to prevent it from running off the tracks.

CAPTAIN NEWLYN, D. A. C. GENL., EXHIBITOR.

7931 Burmese Bell on Stand Rs. 400 0

7932 Burmese Bell on Stand. Rs. 200 0

7933 Two Burmese Alabaster figures,

7934 Two Shan Boxes,

7935 Complete set of Burmese weights.

7936 Burmese fire stick.

7937 Burmese Poonghee Boxes.

7938 Joint of a Bamboo.

Surgical Instruments.

7939 Crooked Scissors. Rs. 4 0

7940 Saw. „ 8 0

7941 Artery forceps. „ 1 12

7942 Dressing „ „ 2 8

7943 Scalpule. „ 3 0

7944 Bistory. „ 2 4

C. STRENAVASOOLOO NAIDOO, EXHIBITOR.

7945 Ivory Chessmen with wooden box (and a key) 32 in number.

7946 Wooden Rose water sprinkler.

7947 Two Gilt Toys Male and Female.

7948 Small Cot made of Tin and Glass with workmanship.

7949 Two Wooden Painted Toys.

7950 Small Towel of Chintz.

7951 „ Model of Palanquin made of Beads.

7952 „ „ Rose Water sprinkler made of Iron-wire and beads.

7953 „ „ „ made of Wood and beads.

7954 „ box made of Beads and Wood.

7955 „ Basket of Straw, embroidered with beads,

7956 2 Bracelet made of Beads.

7957 Model of Cutcherry Desk made of Tin.

C. BAULLO MOODELLIAR, EXHIBITOR.

7958 Essential Oil of Orange Annas 12 per oz.

7959 Pure Muriatric acid, Rs. 1½ per lb.

7960 Dry carbonate of Soda, prepared from Dhoobie's earth, Annas 4 per lb.

7961 Crystals of carbonate of Soda, prepared from last mentioned.

7962 Crystallized carbonate of Soda prepared from Dhoobie's earth.

7963 Marine Soap, Annas 8 per lb.

7964 Illupie oil Soap made with the above refined Soda, Annas 6 per lb.

7965 Curd Soap, Annas 10 per lb.

7966 Scented Soap, Annas 4 per cake.

7967 Transparent Soap.

NARAYEN DAJEE, GRADUATE OF THE GRANT MEDICAL COLLEGE, EXHIBITOR.

Photographs prepared by Exhibitor.

7968 Parsee Lady.

7969 Do. do.

7970 Native Turner.

7971 View of St. Thomas's Cathedral.

7972 Native School Girl.

7973 Portrait of Hemabhoy Pemabhoy.

7974 Dr. Narayen Dajee.

7975 Dr. Bhawoo Dajee.

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7976 Bibijee's Musjid Roza, erected over the tombs of the wives of Sultan Koolbe Alum Gujerat—Broach Cart for goods—Hindoo Temple of Swami Narayan.

7977 View of the Grant Medical College from a waxed paper negative.

7978 Front of view of Shaha Alum—view of the Jumah Musjid three gates of Ahmedabad—side view of Koolbe Alum's wives Roza.

7979 View of the Grant Medical College painted—taken by the honey process.

7980 View of the Esplanade.

7981 View of a Hindoo Temple near Bhyculla.

7982 View of St. Thomas's Cathedral.

7983 View of the three gates of the Fort and Esplanade.

7984 Parsee Lady—a Parsee girl—a Parsee girl.

7985 Gujerat Ryots Horn Cultivators—A Rajpoot grassia—three images in a temple at Pulitana.

7986 View of St. Thomas's Cathedral and the Bombay green.

H. TOLPUTT, ESQ., EXHIBITOR.

Sugar.

7987 Lump Sugar powdered, the produce of the Palmanair District.

7988 Raw Sugar, produce of the Chittoor District.

7989 " " 1st quality.

7990 " " 2nd "

7991 " " 3rd "

7992 " " 4th "

Cotton.

7993 Guntoor—ordinary quality.

7994 Nellore Best "

7995 " Good average "

7996 " Ordinary "

7997 " Inferior "

7998 Bellary Good average "

7999 " Ordinary,

8000 " Inferior.

JOHN TAWSE, ESQ., EXHIBITOR.

8436 Kurpah Indigo.

8437 Dryleaf do.

8438 Nux Vomica.

8439 Niger Seeds.

8440 Mustard or Rape Seed.

8441 Gingely or Teel Seed.

8442 Collodion portrait of a native.

8443 do. View of Chetput Pagoda.

8444 do. Portrait of Vencatasawmy Naidoo.

C. V. CONNIAH CHETTIAR, EXHIBITOR.

8445 Models of Paper Mills at Paralore belonging to Exhibitor.

8446 Do. Beating Engine.

8447 Do. Ream Cutting Press.

8448 Do. Glazing Machine.

8449 Steam Engine, one horse power.

MR. B. ROSS, EXHIBITOR.

8450 French Ornamental & Musical Clock

Rs. 110.

This clock strikes hours & half-hours. The pendulum swings a sailor boy.

MESSRS THOMAS CROWE AND SON, MANUFACTURERS, VEPERY TANNERY
MADRAS, EXHIBITORS.

8451 Summerset Saddle and Bridle complete, 60 0

8452 Set of Brown Harness with plated mountings,..... 70 0

8453 Do. do. Black,..... 70 0

8454 Pair of Gold embroidered Gent's bedroom Slippers,..... 35 0

8455 Pair of Gold embroidered Lady's Bengal Muster Slippers,..... 25 0

8456 Pair of Opera Boots,..... 15 0

8457 Pair of Top Boots,..... 21 0

8458 Pair of Calf Skin Oxonian Shoes,..... 3 0

8459 Pair of Bluchers,..... 4 8

8560 Pair of Lady's white Satin Shoes,..... 4 0

8561 Pair of Lady's Prunella Buskins with elastic sides,..... 5 0

8562 Pair of Boy's Calf skin Oxonians,..... 1 8

8563 Pair of Boy's side-laced Boots,..... 2 8

The above articles are made from leather tanned in the premises of the Exhibitors, the skins, tan, and every thing about the leather being Indian.

8564 Blue Morocco skin,..... 1 8

8565 Red Morocco do. 1 8

8566 Shamois or wash leather,..... 1 0

8467 White Kid skin,..... 1 0

MR. G. WILLIAMS, EXHIBITOR.

8468 Model of a floating breakwater.

The Model is set in a zinc trough with water to represent a sort of sea and be agitated by means of triangular Cylinders worked by cog-wheels immersed in the trough, the floating battery being composed of bales of Bamboo strapped with iron (practical dimensions 15 feet long by 6 feet diameter) model scale, being $\frac{1}{2}$ inch to the foot, having three binding straps and one length rod; linked end ways as well as side, to form one continuous wall as if from Royapooram at one end to front of Custom House and saluting battery to front of Messrs. Parry's, beyond the third surf at an angle of about 30° ranging according to depth twenty feet from bed of sea and moored by anchors at stated distances.

N. C. MOORAGASEM MOODELLIAR,
EXHIBITOR.

8469 Stone cup.

8470 Do. Tumbler.

8471 Do. Snuff-box.

8472 Do. do.

MADRAS.

QUARTER MASTER SERJEANT THOMAS
TAYLOR, EXHIBITOR.

8473 Military Saddle and Bridle complete.

*The above manufactured of country materials
and by country workmen.*

THE RIGHT HON. LORD HARRIS, EXHIBITOR,

Arms.

8474 Blade of Konasummunder:

8475 do. do.

8476 Carnatic Matchlock with wooden ramrod and
a bag of rope match.

8477 Carnatic Matchlock with steel ramrod.

8478 do. do. do.

8479 Straight Sword in broad Goopthee handle—
silver gilt, and red velvet scabbard.

8480 Broad Sword in Goopthee handle and yellow
velvet scabbard.

8481 „ „ in purple velvet scabbard.

8482 Native Bayonet.

8483 Straight Sword in gilt handle and red velvet
scabbard.

8484 do. do. in yellow velvet scabbard.

8485 Spear, handle inlaid with silver, and red velvet
scabbard with silk tassels.

8486 Saw Sword, handle gold gilt in leather scab-
bard.

8487 Broad tapering Sword, handle gold gilt, in
leather scabbard.

8488 Sword handle inlaid with gold, in green velvet
scabbard.

8489 do. do. do.

8490 do. do. in purple velvet scabbard.

8491 do. in silver gilt handle, and red
velvet scabbard.

8492 Sword, gold gilt handle in the shape of an
elephant's head and trunk, in blue velvet
scabbard.

8493 Battle axe, handle gold gilt.

8494 Battle axe, wooden handle, inlaid and covered
with silver.

8495 Shield with lace worked strap.

8496 Dagger, handle gold gilt, in leather sheath.

8497 Dagger, handle inlaid with gold, in yellow
velvet sheath.

8498 Dagger, handle silver gilt, in red velvet sheath.

8499 Double dagger in red velvet sheath.

8500 Peishcubz, or waist dagger, green ivory
handle, in purple velvet sheath.

8501 Peishcubz, gold gilt handle, green velvet sheath.

8502 Poignard, or Beechma, in ivory handle, with
silver tassels and red ivory sheath.

8503 Poignard or Beechma in ivory without tassels.

8504 Poignard or Beechma in ivory silver gilt.

8505 Knife in ivory handle and silver sheath.

8506 Sword, handle inlaid with gold, in leather
scabbard.

8507 Sword, in ivory handle without scabbard.

8508 Small sword, in emerald handle, in yellow
velvet sheath.

8509 Goopthee Sota.

8510 Steel Sota, with a pronged head attached to
a Chain.

8511 Tubber containing the Axe, spear and song
or spear head with a turn screw knife un-
derneath, handle gold and silver gilt.

8512 Do. do. in red velvet sheath.

8513 Song or spear head on steel handle.

8514 Steel Sota.

8515 Tubber knife, handle silver gilt in yellow
velvet sheath.

8516 Tubber with steel head handle silver gilt.

8517 Dagger handle inlaid with gold in red velvet
sheath.

8518 Poignard or Beechma, handle inlaid with
gold, in red velvet sheath.

8519 Peishcubz in red ivory handle and red velvet
sheath.

8520 Peishcubz in red ivory handle, and yellow vel-
vet sheath.

8521 Dagger, in broad steel handle and leather
sheath.

8522 Dagger, in red velvet sheath.

8523 Dagger, in broad handle, silver gilt and yel-
low velvet sheath.

8524 Coorg knife in red velvet sheath.

8525 Chond Sorriz, Sun and Moon.

8526 Simotha or Nut Cracker containing a dagger.

8527 Pair of shoulder flaps lace worked, forming
part of a suit of Armour.

8528 Helmet with feathers.

8529 Covering for the Chest.

8530 Covering for the Back.

8531 Waist belt, lace worked.

8532 Pair of aprons.

8533 Pair of aprons.

8534 Shield with lace worked strap.

8535 Broad Sword in yellow velvet scabbard.

8536 Large Peishcubz, handle worked in gold in
purple velvet sheath.

8537 Arab Ghurry.

8538 Iron bit.

8539 Pair of coverings for the hands.

8540 Large sandalwood box.

8541 Sandalwood box.

8542 Sandalwood glove box.

8543 3 Sandalwood paper cutters.

8544 2 Sandalwood card cases.

8545 Blackwood box.

8546 Cabinet of Minatures from Delhi.

8547 Toy Elephant on Wheels.

MADRAS.

Natural Order.	Botanical Names.	English Names.	Tamil Names.	Teloogo Names.	Hindoostanee Names.	Prices.	Where procured.	REMARKS.
						Per. viss. R. A. P.		
1 Leguminosæ.	<i>Butea frondosa.</i>	Pulas flowers.	Pôrasum poo.	Móduga.	Pals.	... 2 ...	Madras.	Dye yellow with Alum: a little alkali added changes it to a deep reddish orange.
2 Rubiaceæ.	<i>Morinda Citrifolia.</i>	.....	Noona-wer.	Mólooghhoodoo.	.....	... 4 ...	Do.	Dye red with Alum, color not bright, but permanent.
3 Compositæ.	<i>Carthamus tinctorius.</i>	Safflower.	Sendoorkum poo.	Koosumba.	Koosum.	... 1 ...	Bellary.	Dyes pink and scarlet.
4 Cedrelacæ.	<i>Cedrela toona.</i>	.....	Maylapoo.	.....	.....	... 10 ...	8 Salem.	Dye yellow with Alum.
5 Guttiferæ.	<i>Garcinia pictoria.</i>	Gamboge.	Mukki.	Passapooovenay.	.....	... 3 ...	8 Mysore.	Dye yellow.
6 Leguminosæ.	<i>Hamatoxylum petchianum.</i>	Logwood.	.....	.....	.....	... ..	Madras.	Dyes red with alkalies, and black with Salts of Iron.
7 Rubiaceæ.	<i>Rubia Munjista.</i>	.....	Munjisth wer.	Munjistee.	Munjil.	viss. 1	6 ... Do.	Dyes pink, lake, purple, orange, yellow and brown.
8 Moracæ.	<i>Maclura tinctoria.</i>	Fustick wood.	.....	.....	.....	... ..	Do.	Dyes yellow, olive and brown.
9 Leguminosæ.	<i>Pterocarpus Santalinus.</i>	Red sandalwood.	Ségápooshándanum.	Kuchlandanum.	Ruckut ehum-dum.	... 4 ...	Naggery Hills.	Dye red with Alum.
10 Do.	<i>Cesalpinia Sappan.</i>	Sappan wood.	Vartheengee cut-tay.	Bukkum.	Bukkum.	viss. ...	3 ... Salem.	Dyes red with alum, and dark brown with Iron, not permanent.
11 Do.	<i>Cassia tora.</i>	Oval leaved Cassia.	Tagaray veray.	Tantim.	Chakunda.	viss. ...	8 ... Madras.	Dye blue, used with Pala Indigo in preparing a blue dye.
12 Euphorbiacæ.	<i>Rottlera tinctoria.</i>	.....	.....	Cuplarung.	.....	... ..	Bellary.	Dust of the berries dye a pale orange, without a mordant.
13 Zingiberacæ.	<i>Curcuma longa.</i>	Turneric.	Munjil.	Passapoo.	Huldic.	viss. ...	8 ... Madras.	Dye deep yellow without a mordant, but not permanent.
14 Xanthoxylacæ.	<i>Toddalia aculeata.</i>	Prickly Toddalia.	Molakarunmay.	Conda cashinda.	.....	viss. ...	4 ... Do.	Dye yellow with alum and a black colour with Salts of Iron.
15 Combretacæ.	<i>Terminalia chebula.</i>	Myrobalan.	Kadukai.	Cárakaia.	Hara.	viss. ...	12 ... Madura.	Dyes red, orange and purple.
16 Rubiacæ.	<i>Oldenlandia umbellata.</i>	Chayroot.	Saya or Emboorelwer.	Tsheri-velloo.	.....	viss. ...	1 ... Madras.	Dye yellow.
17 Melastomacæ.	<i>Memecylon tinctorium.</i>	.....	Casau elley.	Aliakoo.	.....	viss. ...	8 ... Do.	Dyes orange, citron, green and yellow, colours not permanent.
18 Flacourtiacæ.	<i>Bixa orellana.</i>	Anatto.	Jabra veray.	.....	.....	viss. ...	3 14 Cuddapah.	Dyes blue with alum, green with turmeric and black with Iron.
19 Leguminosæ.	<i>Indigofera tinctoria.</i>	Indigo.	Avenie neelum.	Neelie.	Neel.	viss. ...	5 ... Salem.	Dyes blue, green, purple & black.
20 Apocynacæ.	<i>Wrightia tinctoria.</i>	Pala Indigo.	Pala neelum.	Pala Neelie.	.....	viss. ...	2 8 Do.	Dye red with alum.
21 Rharnacæ.	<i>Venilago?</i>	.....	Pupley chuckay.	.....	.....	viss. ...	2 ... Madras.	Dye black, the colour improved & prevented from running by a mixture of a little quick lime & water.
22 Terebuthacæ.	<i>Semecarpus anacardium.</i>	Marking Nut.	Shayrang cõttay.	Nellajedic.	Bheela.	viss. ...	8 ... Nellore.	Dye red.
23 24	<i>Lichen. Laca.</i>	.....	Kull passhie. Komb urruk.	Ratipauchie. Commolekka.	Puttir ka pool. Lákh.	viss. ... viss. ...	6 ... Madras.	

MADRAS.

8549. *Plants yielding Dyes.*

Natural Order.	Botanical Names.	English Names.	Tamil Names.	Teloogoo Names.	Hindoostance Names.	Where procured.	REMARKS.
1 Cedrelaceæ.	Chloroxylon Swietenia.	Satin wood tree.					
2 Malvaceæ.	Hiliscus rosa sinensis.	Shoe flower Plant.	Sapatoo cheddie.	Dasanic.	Jasoon.	Madras.	
3 Jasmīnaceæ.	Nyctanthes arbor tristis.	Night flowering Jasmine.	Pagala mullee poo.		Ursingah.	Madras.	
4 Leguminosæ.	Butea frondosa.	Pulas.	Porasum poo.	Móduhá.	Palas.	Madras.	
5 Casuarinaceæ.	Casuarina Muricata.	Horse tail casuarina.	Savookoo marum.	.....	.....	Madras.	
6 Cedrelaceæ.	Cedrela toona.	Toon tree.	Toon marum.	.....	Toon.	Salem.	
7 Flacourtiaceæ.	Bixa Orellana.	Anatto.	Jabra veray.	.....	.....	Madras.	
8 Rubiaceæ.	Oldenlandia umbellata.	Chayroot.	Saya or Emboorel ver.	Tsheri-velloo.	.....	Madura.	
9 Melastomaceæ.	Menecylon tinctorium.	.....	Casau elley.	Aliakoo.	.....	Madras.	
10 Apocynaceæ.	Wrightia tinctoria.	Pala Indigo.	Pala neelum.	Pala Neelie.	.....	Salem.	
11 Moraceæ.	Maclura tinctoria.	Fustic wood	.....		.....	Madras.	
12 Combretaceæ.	Terminalia chebula.	Myrobolan.	Kadukai.	Cárákáia.	Hara.	Madras.	
13 Rhamnaceæ.	Ventilago ?	.....	Pupley chuckay.	.. ..	.....	Salem.	
14 Leguminosæ.	Homatoxylon campechi- anum.	Logwood.	.....	.....	.....	Madras.	
15 Do.	Cresalpinia sappan.	Sappanwood.	Varthengee cuttay.	Bukkum.	Bukkum.	Salem.	
16 Do.	Indigofera tinctoria.	Indigo.	Averie neelum.	Neelie.	Neel.	Madras.	
17 Xanthoxylaceæ.	Toddalia aculeata.	Prickly Toddalia.	Molakarumay.	Conda cashinda.		Madras.	
18 Leguminosæ.	Pterocarpus santalinus.	Redsandal wood.	Ségápooshándánun.	Kuchandanun.	Ruckut chundum	Naggery Hills.	
19 Do.	Adenanthera pavonina.	Red wood tree.	Anay goondoomoney.			Madras.	
20 Zingiberaceæ.	Curcuma longa.	Turmeric.	Munjil.	Passapoo.	Huldie.	Madras.	
21 Leguminosæ.	Cassia tora.	Oval leaved Cassia.	Tagaray veray.	Tanum	Chakunda.	Madras.	
22 Terebinthaceæ.	Semecarpus anacardium.	Marking nut.	Shayug cottay.	Neelajiedie.	Bheela.	Madras.	
23 Rubiaceæ.	Morinda citrifolia.	.....	Noona.	Molooghoodoo	.....	Madras.	
24 Do.	Morinda ——— ?	.....	Noona.	Molooghoodoo.	.....	Madras.	
25 Do.	Morinda ——— ?	.....	Noona.	Molooghoodoo.	.....	Madras.	

MADRAS, 15th January 1857.

MADRAS.

MR. W. WATERS, EXHIBITOR.

- 8550 Model of a Merchant vessel, made and rigged by Exhibitor, Rs. 150.

W. E. COCHRANE, ESQ., EXHIBITOR.

- 8551 Frame of Photograph positives on glass.

MR. EDWARD LOARER, EXHIBITOR.

- 8552 Bleached vegetable Wax $4\frac{1}{2}$ as. per lb.
 8553 Do. do. do. as used for railway grease $3\frac{1}{2}$ as. per lb.
 8554 Do. more refined, (containing a larger proportion of stearine) for making candles and soap $3\frac{1}{2}$ as. per lb.
 8555 Do. same as 8553 but having undergone a process preparatory to bleaching $3\frac{1}{2}$ as. per lb.
 8555A. Specimens of soap made from the above 3 as. per lb.
 8555B. Specimens of candles made from ditto 5 as. per lb.

(Exhibitor holds patent for the above, issued at Calcutta 31st Oct. 1856, and notified in the Fort St. George Gazette 28th Nov. 1856.)

T. VARAMOORTHY CHETTIAR AND SOOBOO

CHETTIAR, EXHIBITORS.

- 8556 Piece Arnee muslin, 16 yards by 4 ft 6 in. Rs. 100
 8557 Do. do. do. Rs. 80

CAPTAIN BENSON, SUB ASST. COMMISSARY GENERAL, MOULMEIN, EXHIBITOR.

Woods.

- 8558 Thain-bau-sho.
 8559 Sho-nai, (signifies red wood)
 8560 Shoay-pen („ white wood)
 8561 Shoay-nakoa („ forked leaf.)
 8562 Oa-Shoay („ thick skin.)
 8563 Tha-na.
 8564 Noug pain.

The above are profusely scattered throughout the jungles, in the Martaban and Tenasserim Provinces.

The fibre from the inner bark of these trees is extensively used by the Natives in making ropes. Nos. 8558, 9, 60 & 62 produce a strong and durable article, and the ropes manufactured therefrom, are used as cables for Chinese Junks and other Native Vessels. No. 8558 has been employed in making head ropes, nose ropes, &c. for the Commissariat, Department Bullocks, at least 800 head of cattle have been so supplied by the Departmental servants; a specimen of these ropes is forwarded.

The fibres of these provinces afford a wide field for experiment, being objects of practical utility—for both the bark and wood, can by a simple process, be converted into ropes, gunny, &c.

- 8565 Theetsee or “Melanorrhœa usitata” of Wallich. Salween river Province Tenasserim.
 8566 Enj-gyeen “Shorea robusta,” do. do. do.

These two logs are very fine specimens of these woods. The Thetsai varnish is obtained from the former. The grain is close, and appears well adapted for blocks, tool handles, furniture, &c. The Enjgyeen is stated to be a still tougher wood, stands well in water, and it is reported to be capable of petrification from the action of the water, and logs have been seen lying on the banks of rivers, with the portion submerged, petrified, whilst the other remains sound wood, useful for supports of piers, wharves, &c.

- 8567 Jackwood, Province Tenasserim.
 8568 Mountain Jackwood.

These woods are used as a yellow dye in Burmah.

- 8569 Kaoung-ya.
 8570 Thoay-oo-aing.
 8571 Pyen-Kado or Nylocarpa, McClelland.

The Pyen-Kado is a hard iron-like wood, serviceable for pier posts, the bark is used medicinally in the cure of flesh wounds. Nos. 8569 & 70 are used in like manner, medicinally only,
 8571A. Theeka bark. vide No. 8582.

This yields a superior tannin—it is also used by the Shans as a substitute for Betel-nut, found in large quantities near Amherst.

MADRAS.

8571B. Acha, "Morinda."

Obtained in abundance—used as a red dye—the wood is pounded, soaked in water for 3 days, strained, and boiled until the water evaporates.

8572 Theetsin from Amherst, vide 8.

8573 Thar-ra-be. (McClelland page 132.)

8574 Paugah. (do. „ 129.)

8575 Theyah.

8576 Bamboa.

8577 Eudyke.—Dalbergia.

8578 Thingan.—Hopea odorata (McClelland page 136.)

8579 Kaiyah.

8580 Noukchoo.

8581 Thountalay most like Toungah, (McClelland page 134.)

8582 Theeka.

These specimens offer an opportunity of testing their practical value, they are little known except to Natives. The Eudyke can be turned in the lathe into almost any form or design. Bamboa is used for rice mills. Thingan for the bottom portion of Native Boats, durable in water, the tree grows to a large size near Tavoy.

Carpets Manufactured in Moulmein Jail and Specimens of Fibres.

8583 Kai-sai-nai, "Urena lobata," or wild Mallow shrub.

8584 Tring-baw. Corchorus Fascus, or Fasiscularis, or Bunkabas.

8585 Hibiscus, Paritinum titiacerum.

8586 Species of Mallow.

These fibres are used by the convicts in the Moulmein Jail in the manufacture of Carpets, Gunny, Twine, Rope, &c.

The large Carpet marked 1, is made of the Urena lobata fibre; the fibre is soaked in water for 9 days or so, then beaten, and thoroughly cleansed, dried, and woven, the coloring is also from the raw products of the Province. No 2 Carpet is similarly made as the above from the Corchorus Fascus or Fasiscularis.

8587 Manufacture from the above plants.

8588 do. do. do.

8589 do. do. do.

8590 do. do. do.

8591 Table cloth from Pine Apple Fibre,

8592 Variety of Cotton articles (of Jail manufacture.)

8593 Is a specimen of cotton and seed grown in Moulmein, from seed obtained long since from a sample of Pernambuco, it may now be said to be indigenous, a sample of this realized $6\frac{1}{2}$ d. per lb. in the home market, it is a kind well suited to Indian cultivation, the seed being easily separated from the cotton; in the vicinity of Moulmein sufficient cotton is produced for local consumption.

8593A. A Box of Cocoons, Silk and Tusser.

These are abundant at Moulmein, the moth is of large dimensions. "Mason" on the products of the Tenasserim Provinces states it as being the Atlas Moth. A specimen of the moth was forwarded to the Museum in September last.

8593B. Dyes. No 1. Box containing Lac, Lac-dye, shell lac, Indigo, Green ditto, Buckam-Lac and Wild Indigo, are in profusion in the Provinces.

8593C. No 2. Red dye from the Sapan wood.

This specimen was procured from the Shans, it affords a rich color and resembles Madder, value 12 Rs. per 100 viss. A sample has been sent to the Home market, but the result was not so favorable as anticipated: the novelty of the product may account for this, the wood itself has a free sale there.

Minerals.

8594 Tin ore from Mergui.

8595 Do. Henzai.

8596 Lead ore from Dodame river, Province Martaban.

8597 Antimony from near Moulmein and Henzai—this specimen is doubtful.

8598 Iron ore—found near Kudan on the Salween river.

MADRAS.

8599 Tin—said to have been brought from near Shoay Gyeen, where it is found in large quantities, and of a rich kind.

Tin is found in some quantities in the South of these Provinces, at Henzai ; it is exported at a value of 120 to 130 Rs. per 100 viss, or 365 lbs. Lead and Antimony are also found here, the former is imported from Ava. On the hills, S. E. of Maulmein distant at 3 miles, Antimony is found.

8600 Limestone.

This specimen was procured from a lime kiln near Kagoon on the Salween river. The Mountains in this vicinity are chiefly of limestone formation, and from being near navigable rivers whose banks are covered with Jungle, the burning and transport becomes easy. The Market price, however, averages 2 annas per basket of about 2 or 2½ viss. It is largely exported to Rangoon and other parts.

8601 Petroleum, from Ava. This article is greatly exported to England for the manufacture of candles, &c., this mineral production would, I think, be found a good material for the manufacture of Gas, as Oil Gas.

8602 Maulmain Earthenware.

The clay is found in the vicinity of Maulmein, the white is from the Pagoda Hill, and frequently used as pipe clay by the Soldiers.

The glazing is imported from Ava, it is the dross or debris from Silver or Lead, and when in a state of fusion, mixed with shell-lac. The glazing is exported in no inconsiderable quantities.

Vegetable.

8603 Specimen of Camphor.

The Camphor plant here does not produce a superior quality, its manufacture has not been successful.

8604 The Root marked No 2, said to produce Camphor, certainly yields something very similar in smell.

8605 Tobacco.

8606 Wood Oil.

8607 Cocoonut Oil.

8608 Theetsay dammer.

The Tobacco grows luxuriantly on the Islands in the rivers, and is sold at the rate of 30 to 40 Rupees the 100 viss.

The tobacco seems good, but it is nevertheless objected to by the Sepoys and Native followers hence the necessity of importing Coringa Tobacco ; this importation must act prejudicially to the interests of these provinces, and certainly does not act as an incentive to the cultivation of a better description.

THE SOUTH INDIA CHRISTIAN SCHOOL BOOK SOCIETY, EXHIBITORS.

8609 English 1st Book.

8610 Do. and Tamil 1st Book.

8611 Do. 2nd Book, with Tamil Vocabulary.

8612 Do. 3rd do.

8613 Tamil lessons on Sheets No. 6 on Mill Boards.

8614 Do. do. do. 7 do.

8615 Do. do. do. 1 do.

8616 Do. do. do. 2

8617 Tamil 1st Book.

8618 Do. 2nd Book.

8619 Do. New Testament History.

8620 Do. Mental Arithmetic.

8621 Do. Pope's 1st Grammar.

8622 Telugu 1st Geography,

8623 Map of India.

8624 English lesson on sheets No. 1.

8625 Do. do. do. 2.

MADRAS.

BRYCE McMASTER, Esq., Exhibitor.

- 8626 Double dagger on Ibex horns.
- 8627 Moorman dagger in leather sheath with Copper handle and mountings.
- 8628 Stone Goglet.
- 8629 2 Stone Cups.
- 8630 Powder flask of iron, brass mounted.
- 8631 2 Elephant tooth boxes.
- 8632 Goomsoor battle axe head.

C. STREENEVASOOLOO NAIDOO, Exhibitor.

- 8633 Small plate cup.
- 8634 Wooden painted bird.
- 8635 Miniature book of beauty 1841.

T. VASUDAVOO, Tinnevely, Exhibitor.

- 8636 { 4 Bags Coffee 1 Sort or Round Coffee
Rs. 140 per Candy.
2 do Common Coffee Rs. 105 per Candy.
- 8637 1 Bale Senna 250 lbs Rs. 80 per bale.
- 8638 1 Bag Paddy.

COOPCHUND, Tinnevely, Exhibitor.

- 8639 1 Bag Senna 125 lbs.
- 8640 1 Do Bourbon Cotton 25 lbs.
- 8641 1 Do Bourbon do 25 lbs.
- 8642 1 Package Indigo 1 Viss.
- 8643 1 Do Arrow Root 10 lbs.

W. E. UNDERWOOD, Esq., Exhibitor.

- 8644 Aloe fibre made for exportation at Tinnevely from the green leaf without rotting.

DR. JESUDASEN, N. S., Exhibitor.

- 8645 Vegetable drugs. } *The lists will be published in a supplemental Catalogue.*
- 8646 Mineral do. }
- 8647 Animal do. }

J. ROHDE, Esq., M. C. S., Exhibitor.

- 8648 Platform Cart, Guntoor made, well fitted for carriage of baggage and furniture.
- 8649 Sections of Elephants Teeth.

Mr. P. R. HUNT, American Mission Press, Exhibitor.

- 8650 10 Copies Pope's First Lessons in Tamil at 4 Rs.
- 8651 14 Gospel Portions in Telugu.
- 8652 20 Tamil Tracts sold for 6 Pie each.
- 8653 2 Copies Young Communicant's Guide
- 8654 Specimen of Manila Wrapping Paper (*extremely valuable for its toughness; is easily written on and has an agreeable color.*)

ALLAYPAH NAICK, Exhibitor.

- 8655 26 pieces of fossils collected in Rangoon.

MESSRS. SIMPSON AND CO. Exhibitors.

- 8656 Circular slab of Jack wood $7\frac{1}{2}$ feet diameter.

G. M. KISTNASAWMY CHETTIAR, Exhibitor.

- 8657 Car of bead work.

Asst. Surgeon ST. G. WILLIAMS, M. D., Exhibitor.

Russian Trophies.

- 8658 4 Muskets with bayonets.
- 8659 3 Swords.
- 8660 Brass Kettle.
- 8661 Do Coffee grinder.
- 8662 Helmet brass mounted.
- 8663 Cartouche box.
- 8664 Plaster of Paris figure.
- 8664½ Piece of one of the Cathedral Bells of Sebastapol.

GEORGE LATHAM, Esq., C. E., Madras Railway, Exhibitor.

Calotypes.

- 8665 Banqueting Hall and Government House.
- 8666 Marine Villa.
- 8667 Chepauk Palace.
- 8668 Pagoda Pursewaukum.
- 8669 Do. St. Thomé.
- 8670 Do. do. another view.
- 8671 Mosque Triplicane.
- 8672 St. Andrew's Church Vepery.
- 8673 Bridge over Cochrane's Canal.
- 8674 Do. at Royapoorum Station.
- 8675 Do. do.
- 8676 Station House Royapoorum.

Colored Calotype.

- 8677 Bungalow at Tripatoor.

Photographs.

- 8678 Moguls.
- 8679 Madras Beggars.
- 8680 5 Portraits (*one in Native costume.*)

Asst. Surgeon W. R. OSWALD, M. D., Exhibitor.

- 8681 Water from Thermal springs in the Saugor Talook, Nuggur Division, Mysore.

Lieut.-Colonel A. McCALLY, Exhibitor.

- 8682 Folding chair on Brown's principle.
- 8683 Folding Camp Bed.
- 8684 Almira containing Specimens of the supplies of the Commissariat Department.
- 8685 Model Burmese Cart.
- 8686 A specimen of teak timber bored by the Tereido navalis.
- 8687 Folding Camp Table.
- 8688 Coconut oil soap.

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MADRAS LOCAL COMMITTEE, Exhibitors.

- 8689 Bracelet, Gold, Silver and Stones Rs. 70.
8690 Ditto ditto ditto Rs. 50.
8691 Broach, ditto ditto Rs. 70.

(The above made by Juggenatha Butten of Madras.)

H. W. PORTEOUS, Esq., Exhibitor.

- 8692 4 pieces Chinese carved work.
8693 3 Fracture Splints.
8694 Improved fracture cradle.

Mrs. JOHN REID BROWN, Exhibitor.

- 8695 18 Water coloured drawings of Flowering Plants, natives of the Mahableshwar and Neilgherry Ranges.

Mrs. MOLYNEUX, Rangoon, Exhibitor.

- 8696 Poonghee cloth from Rangoon.

Apothecary WRIGHTMAN, Mysore Commissioner, Exhibitor.

- 8697 One Pint of Bengal Gram Vinegar.
8698 Cap made from the Spathe of Areca Nut tree.

C. R. PELL, Esq., Rajahmundry Exhibitor.

- 8699 Collection of Drugs.

Dr. RIDDELL, Poona, Exhibitor.

- 8700 4 oz. of Extract of Dandelion with seeds.

Miss PEREIRA, Chittoor, Exhibitor.

- 8710 One Canister of Grass Corn.

H. CROZIER, Esq., Nellore, Exhibitor.

- 8711 Specimens of Thistle, Net, &c. for manufacturing Paper—Gum from Euphorbia — ? with specimen.

D. VENCATA NARSINGROW, Tahsildar Teeroor Talook, Masulipatam, Exhibitor.

- 8712 Native Jewels made of Brass (vide list.)

(This list being in Telugu and not being accompanied with a translation cannot be printed.)

Dr. H. F. C. CLEGHORN, Exhibitor.

- 8713 Root of Coscinum fenestratum (False Colombo root)
8714 Cryptogamic plant from Jack Tree.

- 8715 Specimen of American Oak perforated by *Teredo navalis* from the keel of the Ship "Urgent" from Rangoon.

- 8716 Specimen of Wood (Inga Xylocarpan.)

- 8717 Specimen of Bamboo from Rangoon (Monstrosity.)

- 8718 Walking Stick of Fustick Wood (*Macclura tinctoria*.)

- 8719 2. Phrynium dichotomum used in Burmah for making Mats.

- 8720 Fibres and Rope made of *Paritium macrophyllum*, *Sida Acuta* and *Urena lobata* at Amherst Jail.

- 8721 Dammer from Pegu.

- 8722 Kutch do.

- 8723 Star Aniseed.

- 8724 China Slab for rubbing China Ink.

- 8725 Burmese Pot.

- 8726 2 Brass Spoons from Burmah.

- 8727 Burmese Images.

- 8728 Embroidered cloth for pillows from the Shan States.

THE DIRECTOR OF THE ARTILLERY DEPOT, St. Thomas' Mount, Exhibitor.

Models.

- 8729 Bed Mortar wooden with Brass Mortar, 13 inch.

- 8730 Ditto ditto ditto ditto ditto ditto 10 ditto.

- 8731 Ditto ditto ditto ditto ditto ditto 8 ditto with 2 truck wheels.

- 8732 Cart Forge with Bellows and Stand.

- 8733 Ditto Line with Sides.

- 8734 Carriage and Limber Heavy Field Bengal pattern 12 Pdr. (brass) gun—1 Locking chain, 1 Body chain, 2 Leading chains, 2 Quadruple and 1 Double Yoke.

- 8735 Carriage and Limber (wooden gun) Cullens 9 Pdr., Scale 4 inch per foot.

- 8736 Ditto ditto ditto (brass gun) G.O.G. pattern, 9 Pdrs.

- 8737 Ditto ditto ditto (ditto) Arty. Sel. Com 9 ditto.

- 8738 Ditto Iron and Limber, Major Maitland's Howr., 10 inch. 1 Quadruple Yoke.

- 8739 Ditto ditto ditto 8 ditto 1 ditto.

- 8740 Ditto without limber, old Heavy Field (Brass) Howr., 8 inch 1 Handspike.

- 8741 Ditto and limber on low wheels Brass Howr. 12 Pdr. (shafts 1 pair).

- 8742 Ditto depressing with (wooden) gun.

- 8743 Ditto Pontoon (5 pontoons).

- 8744 Ditto Transport with Limber complete.

- 8745 Crane Mortar (1 wooden shell).

- 8746 Furnace for heating shot (Pincers, Carrier, Fork, Bellows and Stand).

- 8747 Ditto ditto ditto ditto Portable.

- 8748 Gun Iron 24 Pdrs., (Brass model).

- 8749 Gyn Common (4 handspikes, 3 shoes, 2 blocks and rope).

- 8750 Ditto Upright, Capt. Bond's (4 wooden Skids).

- 8751 Machine for cleaning shot, complete.

- 8752 Wagon Ammunition and Limber Arty. Sel. Com. pattern—(3 Yokes, 1 Body chain, 2 Trace chains, 1 spare wheel, 1 Axle tree, 1 Grow bar, 1 felling Axe,

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- 1 wheel prop, 2 mamoties, 4 drag-ropes, 1 locking chain, handspike, bucket.)
 8753 Carriage and limber Established pattern Howrs. 24 Pdrs. (Brass Howrs.)
 8754 Machine for Bouching Ordnance, complete with model gun.
 8755 Carriage and limber—Howrs. 12 Pdrs. (French.)

Assistant Surgeon C. DREW, Exhibitor,
 8756 *Medical Substances procured in the Bazaar of Kurnool.*

Strychnos Potatorum.
 Cucumis (Cucumber seed).
 Piper Longum.
 Eleteria Cardamomum.
 Cassia.
 Cuminum Cyminum.
 Trigonelia Fœnum Grœcum.
 Terminalia Chebula.
 Butea Frondosa.
 Pedalium Murex.
 Isora Corylifolia.
 Semicarpus Anacardium.
 Nigella Sativa.
 Cocculus Indicus.
 Crotalaria Juncea.
 Carthamus Tinctorius.
 Do. do.
 Argemone Mexicana.
 Papaver Somniferum.
 Raphanus Sativus.
 Amarantus.
 Sinapis Alba.
 Omum Seed.
 Terminalia Chebula.
 Spogel Seed.
 Anethum Sowa.
 Piper Nigrum.
 Tamarix.
 Sida.
 Wrightia.
 Budanee.
 Acacia concinna.
 Tukkota Seed.
 Terminalia.
 Strychnos nux Vomica.
 Pimpinella Anisum.
 Thikgera.
 Rhubarb.
 Cyperus bulbosus.
 Do. do.
 Do. do.
 China Root.
 Curcuma Zedoaria.
 Zingiber Officinale.
 Kichile Kalungoo.
 Root of Orchid.
 Kichile Kalungoo.
 Roots.
 Do.
 Do.
 Do.
 Calamus Aromaticus.
 Boochukra Gudda.
 Satavere Root.
 Gundoparunghy.
 Andropogon Muricatum.

Glycyrrhiza Glabra.
 Roots.
 Santalum Album.
 Menispermaceæ.
 Morinda citrifolia.
 Cœsalpinia Sappan.
 Roots.
 Barks.
 Do.
 Gostum.
 Gundatungaroo.
 Morinda Tinctoria.
 Putchalay.
 Rubia Manjista.
 Poraputrum.
 Poolechinta Root.
 Gum.
 Lac.
 Sooraga Gum.
 Alpinia Galanga Major.
 Helleborus Niger.
 Cœrua Javanica.
 Evolvulus Alsinoides.
 Roots.
 Laurus.
 Mollugo Cerviana.
 Pittakulakoo.
 Namaleemyoreseke.
 Rose Flowers.
 Lichen.
 Gowjaban.
 Memecylon Tinctorium.
 Cassia Auriculata.
 Lac.
 Seeds.
 Caroonjeeragum.
 Chanal Mogra.
 Audaloo.
 Mint Seeds.
 Seeds.
 Fruit.
 Do.
 Seeds.
 Do.
 Do.
 Do.
 Do.
 Nelumbium Speciosum.
 Seeds.
 Terminalia Bellerica.
 Emblica officinalis.
 Andropogon Schoenanthus.
 Armenian Bole.
 Sal Animoniac.
 Alum.
 Bamboo Salt.

Messrs. P. ORR AND Co., Exhibitors.

- 8757 Silver Prize Hunting Vase, stands 18 inches high, with chased figures of Deer and Eagles.
 8758 Silver Mounted Bison Horn.
 8759 Electro-Plated 4 branch Candela brum with flower basket in centre—stands 27 inches high.

These are Manufactured by P. Orr and Co.

- 8760 Eight-Day Timepiece.—Lever escapement, shewing Me an and Sidereal

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- Times, manufactured by Mr. James Shearer, London.
- 8761 Eight-Day Gilt, Or-Molu Clock, with an Auxiliary movement, working a model ship at sea, by Bolviller, Paris.
- 8762 14 inch Dumpy Level—with compass shewing the addition of Guards for the levels, by Messrs. Elliott Brothers, London.
- 8763 6 inch Everest Theodolite, shewing the latest improvements, by the same makers.
- 8764 Large Rosewood Dressing Case with Silver fittings and mountings and Secret drawers.
- 8765 Bleached Elkhorn Tea Caddy inlaid Ivory and Sandalwood from Vizagapatam.
- 8766 Case containing sundry specimens of English, French and Indian Manufactures. Mathematical Instruments, Military Accoutrements, &c.

Mr. PETER ORR, Exhibitor.

- 8767 Overshot Water-wheel Punkah Propeller in action. Is capable of pulling a series of punkahs.

Invented and patented by the Exhibitor.

Messrs. SHAW & Co., Exhibitors.

- 8768 Round Camp Table Rs. 16.
- 8769 Folding easy Chair Rs. 21.
- 8770 Camp Lounging Chair Rs. 15.
- 8771 Do Dining Chair Rs. 7.
- 8772 Crimean Iron Camp Cot Rs. 25.
- 8773 Crimean do do do Rs. 25.
- 8774 Close Commode with back, Portable Hydraulic & Inodorous Rs. 70.
- 8775 Portable Water Closet Rs. 75.
- 8776 Patent self Rolling Mangle Rs. 100.
- 8777 Patent Commode Pan Rs. 10-8.
- 8778 Painted Tin Washing Service, containing Basin, Can. Soap Brush and sponge Trays and small Water Jug Rs. 20.

C. CASAVAH MOODELIAR, Exhibitor.

- 8779 Sample of Bricks intended for the proposed University.

LIEUT. RICHARD A. ROBERTS, Exhibitor.

- 8780 Bison's head and horns complete.

Dr. BRANDIS, Conservator of Forests, Pegu, Exhibitor.

Burmese Articles.

- 8781 Small Basket.
- 8782 Large Basket.
- 8783 Do. do.
- 8784 Small do.

- 8785 A bundle of Mats, Chattas, Brooms, &c.
- 8786 Six Shan Hats.
- 8787 Burmese dish with cover.
- 8788 Burmese trays and dishes.
- 8789 Box containing bottles of various oils, &c.
- 8790 Two Large Mats.

E. L. DICKSON, Esq., Exhibitor.

Manufactures in Pith.

- 8791 Model of Seerungum Pagoda Rs. 25.
- 8792 Do do do Inside Rs. 25.
- 8793 Do do do Outside Rs. 25.
- 8794 1 Pair of Dancing Girls Rs. 20.
- 8795 Model of a Pagoda Rs. 25.
- 8796 1 Pair of Mahomedan Packeers Rs. 20.
- 8797 Do. Ground Cutter Rs. 20.

EDWARD BALFOUR, Esq., Officer in Charge of Government Central Museum, Exhibitor.

- 8798 Six Barrelled Revolver Pistol with bullet mould.
- 8799 55 Walking Sticks, Canes, &c.
- 8800 Collection of Mineral substances fitted for grinding, sharpening and polishing materials.
- 8800½ Portrait of Australian Savage, Rs. 50.

B. NORFOR, Esq., Cuddalore, Exhibitor.

- 8829 Machine for raising water.
- 8830 Model of a bridge.

THE MADRAS SCHOOL OF INDUSTRIAL ARTS, Exhibitors.

Works in Plaster of Paris.

- 8831 Statue of Athlete with the Strygil.
- 8832 Do. Venus of Milo.
- 8833 Do. Fighting Gladiator.
- 8834 Do. Dying Gladiator.
- 8835 Do. Slabs from the Elgin Marbles.
- The Two Equestrian Processions Complete
- The Procession of Dressed Female Figures and of Sitting Figures.
- 8836 Bust of Septimus Severus.
- 8837 Do. of Lucius Verus.
- 8838 Do. of Apollo.
- 8839 Do. of Rome.
- 8840 Do. of Cicero.
- 8841 Do. of Young Augustus.
- 8842 Fragment of the Neapolitan Psyche.
- 8843 Bust of Juno.
- 8844 Torso of a youth.
- 8845 Casts of Hands and Feet.
- 8846 Do. of Ornaments.

TANAMPETT P. COOMARAVALOO, Exhibitor.

- 8847 5 pairs of bangles (31 in number) from Tanjore.

SUPPLEMENT.

THE FOLLOWING IS THE LIST IN EXTENSO OF DRUGS EXHIBITED BY DR. JESUDASEN, N. S.

8848 *Vegetable Drugs.*

No.	Latin or English Name.	Native Name.	REMARKS.
1	Abrus precatiorious white seeds.	Vellakoondo many.	Used as a paste over bites of poisonous insects.
2	Do black seeds.	Karooppokoondo many.	
3	Do red seeds.	Segappokoondo many.	
4	Do root.	Koondo many Vayr.	
5	Accacia arabica bark.	Karoovalum puttay.	Astringent, its decoction used as gargle in sore mouth. Astringent alternative. Febrifuge an active Vegetable poison. Carminative used in diarrhæa. Used to allay thirst and in dryness of the mouth. Febrifuge Tonic. Refrigerant. Stimulant Febrifuge. Used in dyspeptic complaints. Expectorant. Expectorant. Purgative Refrigerant. Purgative. Emetic, its juice used in ear ache. Used in Diabetis.
6	Do fruit.	Do Kai.	
7	Acorus calamus kind of	Nauby.	
8	Do sweet flag.	Vassumboo.	
9	Achyranthus aspera.	Naiooroovy.	
10	Acalypha indica.	Kooppamany.	
11	Agrostis Linearis.	Arookum Vayr.	
12	Ail puttay.	Ail puttay.	
13	Ailanthus excelsa.	Paroomarutto puttay.	
14	Alpinia galanga, greater.	Peyr aruttie.	
15	Do do lesser.	Sittaruttie.	Do Do Do Do Do Do Do Do Do Do
16	Aloe litteralis.	Kuttalie.	
17	Aloes.	Kariapolum.	
18	Asiatium Crinum.	Vesha moonghe ellay.	
19	Alangium decapitalum bark.	Kadalalinge puttay.	
20	Do do root.	Alingil vayr.	
21	Do do seeds.	Do cottay.	
22	Do do bark.	Do puttay.	
23	Do do	Sevvalingee puttay.	
24	Do do	Do vayr.	
25	Euphorbia pilulifera.	Ammanputch arisee.	Its juice used in aphthus affections. Refrigerant, used as poultice to hasten Suppuration. Tonic, used in Combination with purgatives. Aromatic Carminative. Refrigerant.
26	Allium Cepha seeds.	Vengaya verei.	
27	Alhaji maurorum.	Turingebean.	
28	Amomum Zingiber.	Sookoo.	
29	Amaranthus Campestris.	Surrookeeray vayr.	

VEGETABLE DRUGS.—(Continued.)

No.	Latin or English Name.	Native Name.	REMARKS.
30	Amygdalus Communis.	Vathoomay cottay.	Tonic demulcent.
31	Anethum graveolens. Dill seed.	Sathacoppay.	Used in amenorrhæa.
32	Anas crecca.	Kieloova puttay.	Antibilious.
33	Anthemis pyrethrum.	Akkarakarum.	Expectorant used also to allay thirst.
34	Anthemis nobilis Chamomile.	Samunthippoo.	Antibilious.
35	Andropagan muricatus.	Vetty vayr.	Aromatic Stimulant Febrifuge allays thirst.
36	Do muricatum.	Vilamilcham elay.	Antibilious.
37	Do Lemon grass.	Kamatthy pilloo.	Aromatic Stimulant.
38	Anerhoa Carambola.	Thamerthum Kai.	Antibilious.
39	Appabulsan.	Appabulsan.	Used in head affections.
40	Athenian.	Atheman.	Stimulant used in head affections.
41	Abboollaus.	Abboollaus.	Used as antidotes to poisons.
42	Aquila. Eagle wood.	Akil Cuttay.	Tonic, used in Rheumatism and fever.
43	Arabis Chincensis.	Ali Verei.	Diuretic Demulcent.
44	Argemone mexicana.	Brimathundoo Verei.	Used in Rheumatism.
45	Artemesia indica.	Maseputhere.	Refrigerant.
45½	Do Maderapatana worm wood.	Do	Do
46	Aristolochia indica.	Esoora Vayr.	Used in dyspepsia.
47	Areka catihu.	Kalipaukoo.	Laxative.
48	Asbestos.	Kulnar.	Refrigerant used also in tooth complaints.
49	Asparagus Sarmentosis.	Thunneervittang Kalangoo.	Diuretic.
50	Astragalus Verus.	Vathoomacottay pissin.	Tonic used also in Admoplysis.
51	Asclepias Vomitoria.	Paroccooringan.	Febrifuge.
52	Do gigantea.	Vellaroogun.	Stimulant.
53	Aspalathus indica.	Sevanar vâmboo.	Used in leprosy and other Skin Diseases.
54	Asclepias proliferata root.	Nanjarappan Vayr.	Stimulant.
55	Do bark.	Do puttay.	Do
56	Andrachne cadishaw.	Wodoovunkai.	Poisonous applied to ulcers.
57	Athevadium.	Athevadium.	Carminative used in diarrhæa and Rheumatism.
58	Bambusa arundinacia.	Moongiloooppoo.	Carminative.
59	Bamboo Seeds.	Moongil aurisee.	Do
60	Banian Seeds.	Paulungoo Veray.	Do
61	Baikumba.	Baikumba.	Stimulant.

62	Bahamani suffed.	
63	Do Sooruk.	
64	Baykanoosha.	
65	Ballota disticha.	
66	Barleria Longifolia.	
67	Do. Seeds of	
68	Bassia Longifolia.	
69	Do flower.	
70	Bdellium.	
71	Beesbund.	
72	Bojuthan.	
73	Boerhavia diffusa.	
74	Bombax pentandrum.	bark.
75	Do	root.
76	Do	root.
77	Bryonia Grandis.	root.
78	Do Callosa	root.
79	Do Epigea.	
80	Do Species of	
81	Do Rostrata.	
82	Bringal Root.	
83	Butea Frondosa Nuts.	
84	Do Gum.	
85	Do Seeds.	
86	Do Flower.	
87	Castus arabicus.	
88	Caryophilli, Cloves.	
89	Curcuma Zedoaria.	
90	Do Angustifolia.	
91	Do Zerumbet.	
92	Curculigo orchoides.	
92½	Do root.	
93	Cucumis Sativus Seeds.	
94	Do Colocynthus Coloquintida.	
95	Cutichu.	
96	Cucumis orijeram root.	
97	Cucumis acutangulus Seeds.	
98	Do	
99	Chloroxylon dupada Dammer.	

Bahamani Suffed.	Tonic, Cooling.
Do Sooruk.	Tonic Stimulant.
Baykanoosha.	Cooling.
Votha pamaruttie.	Used in Rheumatism.
Neermooli Vayr.	Tonic.
Do Verei.	Tonic Refrigerant.
Elooppa chuckay.	Used in Rheumatic Affections.
Do poovoo.	Stimulant.
Kookul.	Used in Rheumatism.
Beesbund.	Narcotic.
Bojuthan.	Used in urinary diseases.
Mooconrutta Vayr.	Do in Rheumatism.
Elavam pissin.	Tonic.
Do puttay.	Astringent used to suppress Vomiting.
Do Vayr.	Refrigerant used in Hematuria.
Kovay Vayr.	Alterative.
Paroothoomatty Vayr.	Used in amenorrhœa.
Agnasacoodun Calungoo.	Given as antidotes in poisons.
Sookkang kai Verei.	Laxative used in Rheumatism.
Appookova Vayr.	Alterative used in diabetcs.
Kutire Vayr.	Expectorant, Diuretic.
Porasum Verei or cottay.	Vermifuge.
Do pissin.	Refrigerant Tonic.
Do Verei.	Vermifuge.
Do poovoo.	Tonic, refrigerant.
Kostum.	Cooling, Tonic.
Kramboo.	Stimulant, Aromatic, Carminative, and Antibilious.
Kustooray munjul.	Tonic, used in psoriasis.
Kooga neeroo.	Refrigerant.
Poolangkalungoo.	Tonic.
Nelappana kalungoo.	Tonic.
Do Vayr.	Tonic.
Velleri Verei.	Diuretic.
Thoomuttikai.	Purgative, used in Amenorrhœa.
Kuttacambo.	Astringent.
Nelapoosini Kalangoo.	Tonic.
Peypeerkum Verei.	Antibilious.
Peypeerkum Kody.	Stimulant.
Koongiliun.	Used in Diarrhœa.

No.	Latin or English Name.	Native Name.	REMARKS.
100	<i>Cyperus juncifolius</i> .	Korakalungoo.	Cooling Tonic.
101	<i>Clitoria ternatea</i> Seeds.	Kakatan Verei.	Purgative.
102	Do white root.	Vella Kakatan Vayr.	Laxative.
103	Do black root.	Karooppoo Kakatan Vayr.	Do.
104	<i>Colyptanthus Jambolana</i> .	Tukkolum.	Cooling, Sudorific, Tonic, astringent.
105	Do Cargaphilli foliu root.	Naval pavukka Vayr.	Alterative.
106	<i>Coronilla sesban</i> bark.	Sembooran puttah.	Used in Children for Cutaneous diseases.
107	<i>Cassia auriculata</i>	Avarum poovoo.	Astringent, Tonic, used in diabetis.
108	Do Seeds.	Do Verei.	Do.
109	Do Fistula.	Surayonna palum.	Laxative.
110	Do Lignea.	Lavoonga puttay.	Carminative.
111	Do Lara Seeds.	Thagara Verei.	Tonic.
112	Do Legnea China.	Peroolavanga puttay.	Carminative.
113	Do Rangoon.	Bungole lavoonga puttay.	Do.
114	<i>Cannabis Sativa</i> .	Kunja Veri.	Narcotic.
115	<i>Cannabis Indica</i> .	Kunja elay.	Do.
116	<i>Cleome Viscosa</i> . Dog mustard.	Naikadoogoo.	Used in amenorrhæa and in gastritis.
117	Do. Fruticosa.	Viloothy Vayr.	Purgative.
118	<i>Catichu</i> .	Cassicuttu.	Astringent.
119	<i>Colombo Root</i> .	Calumbo.	Tonic.
120	<i>Croton Tigilium</i> Seeds.	Neervala Cottay.	Purgative.
121	<i>Creat</i> .	Nautoo Nelavambo.	Tonic Febrifuge.
122	<i>Cratæva Tapia</i> .	Navalinga puttay.	Stimulant.
123	Do religeosa bark.	Vilva puttay.	Refrigerant used also in leprosy.
124	<i>Calamus Draco</i> . Dragons blood.	Kandomooroga ruttum.	Used in Tetanus and fever.
125	<i>Carica papaya</i> .	Puppili Verei.	Antibilious.
126	<i>Cynanchum extensum</i> root.	Voothamany Vayr.	Used in Rheumatism.
127	<i>Carissa</i> root.	Kila Vayr.	Used in profuse perspiration, thirst and indigestion.
128	Do Species of	Sothakila Vayr.	Do do do
129	<i>Cissus</i> .	Kistna palay.	Used in Rheumatism and Indigestion.
130	Castor root	Amanakun Vayr.	Laxative.
131	Do root.	Pillamanakun Vayr.	Do Stimulant.
132	<i>Clerodendrum phlomoides</i> ,	Thaloothali Vayr.	Stimulant used in Rheumatism.

133	Catharto Carpus Fistula.	Amuktas Verei.	Cathartic.
134	Cardiaspermum Halliocababum.	Moodakothan.	Purgative.
135	Caryota.	Authunda paulay.	Given in head aches.
136	Calophyllum, kind of	Nauga puttay.	Astringent.
137	Do. Inophyllum.	Pinnakai.	Used as liniment in dimness of sight.
138	Crotalaria Verrucosa.	Votha Kelookiluppie.	Used in Rheumatism, Scrophula and Skin Affections.
139	Crocus Sativus Saffron.	Coongoonappoo.	Stimulant.
140	Conyza same as.	Sittoolav Vayr.	Laxative.
141	Cissus Acida.	Poolinaroolay.	Used for piles.
142	Convolvulus Speciosus.	Peymooshooti.	Used in diabetes.
143	Do. Turpethum.	Sevatha Vayr.	Purgative.
144	Coffea Arabica.	Coppy Cottay.	Emmenagogue, used in Rheumatism.
145	Camphor Surat.	Soorathloo Curpooram.	Do Stimulant.
146	Do Crude.	Putcha Curpooram.	Refrigerant.
147	Coriandrum Sativum Seeds.	Cothamulle.	Do Antibilious.
148	Cuminum Cynimum.	Seeragam.	Used in Rheumatism.
149	Cesalpinia bonduella.	Kalchi Kai.	Carminative, used in fever and jaundice.
150	Coscinum Fenestratum.	Maramunjul.	Refrigerant.
151	Cacalia Kleinia flower.	Kavasban pooroo.	Do
152	Do bark.	Do puttay.	Refrigerant, used in retention of urine.
153	Cidialis.	Ajuralivooth.	Diuretic.
154	Carthamus Tinctorius.	Koosoom Verei.	Tonic.
155	Cuspidata.	Poonna Kalee.	Do
156	Calabash, Seeds of	Sora Verei.	Aromatic.
157	Cinnamon leaves.	Lavoonga puthree elay.	Tonic, refrigerant.
158	Chenopodium Album Seeds.	Paroppookeera Verei.	Refrigerant.
159	Sansevieria Zeylonica.	Marul Kalungoo.	Tonic Cooling.
160	Carrot Seeds.	Kajund.	Alterative.
161	Calotropis Gigantea.	Perucheruppada.	Used in Rheumatism.
162	Coldenia Procumbens.	Veppala Vayr.	Used in Skin diseases.
163	Conessi Root.	Poonnam Cottay.	Emetic.
164	Dabergia Arborea.	Noray Koongilium.	Refrigerant.
165	Dammer, Species of	Marul Oomathay Vayr.	Tonic.
166	Datura root.	Kattoocaroonay.	Used in hæmorrhoids.
167	Dracontium, its bulb.	Karoongali Vayr.	Do in diabetes.
168	Diospyros ebenum root.	Do puttay.	Do
169	Dioscorea bulbifera.	Kanttoo Vullee.	Used in rheumatism.
170	Dolichos pruriens, Cowhage.	Poonakaule Verei.	Tonic.
171			

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VEGETABLE DRUGS.—(Continued.)

No.	Latin or English Name.	Native Name.	REMARKS.
172	Dammer black	Karoppoo Koongileum.	Refrigerant.
173	Eclipta erecta seeds.	Karoosalongkunny Verei.	Do
174	Elaeocarpus Lanceolatus berries.	Rutheratsham.	Expectorant.
175	Elettaria Cardamomi.	Yalakai.	Aromatic.
176	Do Seeds.	Yala arisee.	Carminative.
177	Erythroxylon areolatum.	Thavathary Cuttay.	Refrigerant Tonic.
178	Do root.	Do Vayr.	Used in head affections.
179	Erookalum Vayr.	Erookaulun Vayr.	Used in rheumatic affections.
180	Eugenia Racemosa, buds of	Maratia mooghoo.	Astringent used in diarrhæa.
181	Do do	Kadappum Vayr.	Used in rheumatic cases.
182	Euphorbia nerüfolia.	Yala Kullee.	Purgative.
183	Do Tiroocalli root.	Theroogookullee Vayr.	Purgative.
184	Exacum hyssopifolium.	Vellerookkum elay.	Stimulant.
185	Do Pedunculatum.	Kanappoondoo.	Febrifuge.
186	Erythronium Indicum.	Naryvenkayam.	Used in hæmorrhoids.
187	Evolvulus alsimoides.	Vishnookaranthy.	Febrifuge.
188	Feronium Elephantum root.	Velaw Vayr.	Refrigerant.
189	Ferrula assafoetida.	Paroongayam.	Stimulant Antispasmodic.
190	Ficus racemosa, Fig Seeds.	Athi Verei.	Tonic, Astringent, Demulcent.
191	Do bark.	Do puttay.	Do
192	Do Religiosa seeds.	Arasam Verei.	Tonic refrigerant.
193	Do bark.	Do puttay.	Do
194	Do racemosa, wild flowers of	Katoo athi poovoo.	Astringent used in diarrhæa.
195	Do Indica fruits.	Kooroove alunkai.	Used in Rheumatism.
196	Do Bengalensis bark.	Alum puttay.	Refrigerant.
197	Do do root from the branch.	Alum Vishoothoo.	Do alterative.
198	Flacourtia Cataphracta.	Thalisaputhere.	Stomachic, Carminative.
199	Flag poisonous, white.	Kalappa kalangoo.	Stimulant.
200	Do black.	Karoo Nauby.	Sedative, Febrifuge.
201	Fumosa Officialis.	Shaathirraw.	Cooling said to purify blood.
202	Trigonella Fœnum Græcum,	Vendum.	Astringent cooling.
203	Gardenia dumetorum.	Marookalunkai.	Stimulant.
204	Do	Marookkaray.	Stimulant.

205	Gambogia.	Mukky.
206	Galiga Spinosa.	Mookkavalay.
207	Do Purpuria root.	Kolinge Vayr.
208	Gmelina asiaticus.	Nelakoomle Vayr.
209	Glue.	Vujjerum.
210	Glinus dictamnoides.	Sirroosaroopady.
211	Glycyrrhiza Glabra Liquorice.	Athemathooram.
212	Gum acacia.	Karoovalum pisin.
213	Gum arabica.	Valam pissin.
214	Gum Benzoin.	Paul Sambrane.
215	Gum Tragacanth.	Vathooma Cottay pisin.
216	Gum elemi.	Gum elemi.
217	Gulandrina bonducella root.	Kalichikai Vayr.
218	Juniperus Communis.	Sundiruz.
219	Hazel nut.	Binhook.
220	Hedysarum mummulari fol.	Sirroopullady.
221	Helicteres Isora.	Valumboorikai.
222	Heliborus niger.	Kadogoorogane.
223	Heliborus radix.	Do Vayr.
224	Hemp Seeds.	Sanappa Verei.
225	Hibiscus populneus Seeds.	Pooarasum Verei.
226	Horse radish Gum.	Mooringa pisin.
227	Do root.	Do Vayr.
228	Hydrocotyle asiatic root.	Vullaray Vayr.
229	Do asiatica.	Vullary.
230	Hyosciamis niger Henbane Seed.	Korosani Omum.
231	Illicium anatum.	Anasee poo.
232	Illecebrum lanatum.	Kumpoolay.
233	Indigo.	Poonelum.
234	Indigofera arcuata.	Poonulthundoo.
235	Do anib root.	Avoory Vayr.
236	Do argentea.	Iroomboorooky.
237	Do cmeaphylla.	Seppooneringee.
238	Inga dulcis, seeds.	Korakaipooley.
239	Do -- fruits.	Imbooram puttay.
240	Imbora bark.	Inkiliun.
241	Inglikum.	Kassini Verei.
242	Intibus seeds.	Ippeac Vayr.
243	Ippeac root.	

Vermifuge, diuretic.	
Used in Rheumatism.	
Used in dyspepsia and tympanitis.	
Used in Gastritis.	
Refrigerant.	
Do.	
Astringent used in tooth-ache.	
Demulcent, Tonic.	
Do.	
Do.	
Stimulant.	
Alterative Febrifuge.	
Astringent used in cases of diarrhæa.	
Refrigerant Tonic.	
Alterative.	
Tonic, used also as an ear liniment.	
Drastic purgative.	
Do	
Used in rheumatism.	
Alterative.	
Stimulant.	
Do	
Used in rheumatism.	
Alterative.	
Astringent narcotic, used in diabetes.	
Carminative.	
Used externally in cases of retention of urine.	
Used externally over the bladder in cases of retention of urine	
Used in rheumatism.	
Refrigerant allays thirst.	
Antepathetical to Iron.	
Diuretic.	
Laxative.	
Do Antibilious.	
Carminative, used in cough.	
Stimulant, used in lockjaw.	
Cooling used to suppress vomiting and to remove bad taste	
Emetic.	

[from the mouth.]

VEGETABLE DRUGS.—(Continued.)

No.	Latin or English Name.	Native Name.	REMARKS.
244	Ipomoea Guamoclit root.	Miermanickum Vayr.	Refrigerant.
245	Ipomoea Candicans.	Moossata Vayr.	Carminative, used also in diabetis.
246	Isinglass.	Isinglass.	Tonic.
247	Jaffera Seeds.	Jappara Verei.	Tonic.
248	Jareeshuck.	Jareeshuk.	Used in Leprosy and Skin diseases.
249	Jatropha montana.	Neeradimoothoo.	Alterative do
250	Jasimum augustifolium.	Kattoomullikay Vayr.	Stimulant.
251	Juniperis Communis.	Sundiruz.	Do.
252	Do.	Hab Hul.	Valuable substitute for pepper, diuretic.
253	Justicia paniculata.	Nelavambo.	Tonic, febrifuge.
254	Do Repens.	Kodakasalay.	Used in Cutaneous diseases.
255	Kashi noray.	Kashi Noray.	Diuretic.
256	Karappan plant.	Karappan poondoo.	Used in Skin diseases.
257	Kaipul bark.	Kaipul chuckay.	Used in Rheumatism.
258	Kanrikoon.	Kaurikoon.	Stimulant, used in rheumatic cases.
259	Carrot Seeds.	Kaujar Verei.	Tonic.
260	Shulgrum Verei.	Shulgrum Verei.	Tonic.
261	Kaugoo Seeds.	Kaughoo Verei.	Refrigerant.
262	Kasoo.	Kasoo.	Do.
263	Kavoonvalaw.	Kavoonvalaw.	Stimulant.
264	Killioorum puttay.	Killioorum puttay.	Used in headache in the form of liniment.
265	Kittoomee root.	Kittoomee Vayr.	Refrigerant.
266	Koobabanooshaw.	Koobabanoosha.	Do.
267	Kolamookoo chuckkay.	Kolamookoo chuckkay.	Antibilious, alterative.
268	Kothalankai.	Kothalankai.	Alterative, stimulant.
269	Kundoooparanghy.	Kundoooparanghy.	Stimulant.
270	Kunnikoomary kalangoo.	Kunnikoomary kalangoo.	Refrigerant.
271	Kuppajee.	Kuppajee.	Do
272	Kukkoopalay.	Kukkoopalay.	Expectorant.
273	Kittoomee	Kittoomee.	Refrigerant.
274	Lichen rotundatus.	Kulpasee.	Do
275	Limonia pentaphylla bark.	Kongee puttay.	Tonic.
276	Lavender flower.	Woosthacathoos.	Astringent used in diarrhæa. Aromatic.

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277	<i>Linum usitatissimum</i> , Linseed.	Alli Verei.	Demulcent.
278	Lead stone flat.	Palavacanthum.	Tonic, diuretic.
279	<i>Lodoicea Sechellarum</i> .	Kadul thankai.	Used in rheumatism.
280	<i>Lawsonia Inermis</i> Seeds.	Aloovunna Verei.	Tonic.
281	Do root.	Do Vayr.	Do
282	<i>Maroolmathangy</i> .	Maroolmathangy.	Expectorant stimulant.
283	Mallows, kind of	Toothala Sookkoo.	Said to ease Coughs.
284	<i>Melastoma aspera</i> .	Kauttoo Kadalie.	Aromatic, stomachic.
285	Mais Mace.	Jauputhere.	Laxative, used in rheumatism.
286	Mae Wild.	Kautoo Jauputhere.	Emmenagogue, used in cases of scanty local discharge.
287	Myrrh.	Balanthra polum.	Astringent.
288	Mango bark.	Mamputtay.	Carminative.
289	Mampatchy.	Mampatche.	Tonic.
290	<i>Mathannushoo</i> .	Mathan mustoo.	Tonic, narcotic.
291	<i>Maratia mooghoo</i> .	Maratia mooghoo.	Febrifuge, used in Amenorrhæa and Rheumatism,
292	<i>Melia azadirachta</i> , Morgosa bark.	Vappam puttay.	Do
293	Do Seeds.	Vappam Verei.	do
294	Do Gum.	Do pisin.	Alterative.
295	<i>Melissa officinalis</i> .	Kunjang kora.	Expectorant, febrifuge, Stomachic.
296	Mierchukky.	Mierchukky.	Used as decoction in cases of fever.
297	<i>Mimusops elengi</i> flour.	Makidum poovoo.	Stimulant.
298	Minosa bark.	Seekaram puttay.	Refrigerant.
299	Do Ferruginea.	Vilva puttay.	Astringent.
300	Do Cinciria root.	Vadathary Vayr.	Used in rheumatism.
301	Do Sensitiva.	Thottasingee.	Stimulant.
302	Do Triquetra flower.	Summunge poovoo.	Refrigerant.
303	Minosa.	Elavayr.	Expectorant.
304	<i>Mimusops hexandra</i> wood.	Paulakuttay.	Stimulant.
305	Do fruit.	Paulakai.	Stomachic.
306	<i>Monetia Barleriodes</i> root.	Sungum Vayr.	Used in rheumatism.
307	Moringha.	Thavasoomooringa.	Stimulant.
308	Do bark.	Mooroonga puttay.	Do
309	<i>Menispermum Cordifolium</i> .	Seenthe Cody.	Refrigerant.
310	<i>Memordica dioica</i> .	Padoopauval Cody.	Laxative.
311	Mookathary Puttay.	Mookathary puttay.	Used in rheumatism.
312	Moollishonay root.	Mullishony kalungoo.	Used in rheumatism.
313	<i>Mucuna porrita</i> fruits.	Kara palum.	Laxative.
314	Do bean.	Kara Kai.	Astringent.
315	<i>Myrobalan Chebulic</i> .	Kadoocai.	Laxative, astringent.

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VEGETABLE DRUGS.—(Continued.)

No.	Latin or English Name.	Native Name.	REMARKS.
316	Myrobalan Chebulic, kind of	Kabool Kadoocai.	Laxative, astringent.
317	Do Belleric.	Thanicai.	Do
318	Do Emblic, Seeds of	Nelli Verei	Refrigerant.
319	Mythaluckady.	Mythalukkady.	Used as anodyne application.
320	Morinda umbalata bark.	Nona puttay.	Alterative, used in cases of boils.
321	Mysatchy.	Mysatchy.	Used as anodyne application.
322	Myrrh Seeds.	Myrrh Verei.	Used in hæmorrhoids.
323	Naroopaithan plant.	Naroopaithan Cody.	Antibilious.
324	Narooli kai.	Naroolikai.	Tonic.
325	Nerium antedys-sentericum.	Veppala arisee.	Stimulant, used in diarrhæa.
326	Do bark.	Veppala puttay.	Do
327	Nelumbum Speciosum root.	Thamara Kalungoo.	Refrigerant.
328	Do flowers.	Do poovoo.	Do
329	Do Seeds.	Do Verei.	Antibilious.
330	Nepeta malabarica.	Peimiruttie.	Used in diarrhæa and indigestion.
331	Nelumbium root.	Vuttathæe Vayr.	Antibilious.
332	Niveshum.	Nirveeshum.	Used as antidotes in cases of Poison.
333	Nigella Sativa.	Karoonjeeragum.	Carminative.
334	Nymphœa Odorata.	Alikalungoo.	Refrigerant, used in Gonorrhœa.
335	Nux moschas, nutmeg.	Jathikai.	Stimulant, Tonic, Astringent.
336	Ocimum Sanctum.	Tholase Verei.	Cooling.
337	Do Album.	Kunjan kora.	Used in fever, diarrhæa and chest affections.
338	Do Hirsutum, rough basil.	Koolmittan Vayr.	Refrigerant.
339	Do Sanctum, black.	Karoonthoolasee.	Used in fever.
340	Do Basilicum.	Sooreakeranthee.	Tonic.
341	Ooppoola plant.	Ooppoola Cody.	Used in tympanitis and looseness of bowels.
342	Opium.	Abnee.	Narcotic.
343	Odina punata.	Votheum puttay.	Refrigerant.
344	Orange peel.	Kitchlee thole.	Aromatic.
345	Orchis mascula, Salep.	Salamisery.	Tonic.
346	Papaver Somniferum Seeds.	Kassa Kassa.	Narcotic, Astringent and Cooling.
347	Do do Capsules	Do Thole.	Its decoction is used as anodyne fomentations.
348	Pavonia Zeylanica.	Sittamoottee.	Tonic.

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349	Pavonia Zeylanica root.	Sittamoottee Vayr.	Febrifuge.
350	Do Odorata.	Paramoottec.	Ditto.
351	Pavetta Indica.	Pavetta Vayr.	Tonic, allays thirst.
352	Phyllanthus Rhamnoides.	Pavala poola.	Used in discussing tumours.
353	Pepper Corn, kind of	Voivelungum.	Used in Rheumatism.
354	Do plant, its branches.	Thippile Cuttay.	Tonic, Aromatic.
355	Do white.	Vella molagoo.	Carminative, Refrigerant.
356	Do wild.	Kattoo molagoo.	Refrigerant.
357	Petalium nurex.	Auna neringee.	Diuretic.
358	Periploca.	Annayay coonthul.	Do.
359	Do Indica, Sarza.	Nunnaree Vayr.	Alterative.
360	Do Sysvestris.	Sirrocoorinjan.	Good Febrifuge.
361	Peruppan Kalang.	Peruppan Kalungoo.	Used in Rheumatism.
362	Bisfaej.	Bisfaej.	Tonic, Refrigerant.
363	Peysoorakody.	Peysoora kody.	Expectorant.
364	Phyllanthus emblica.	Nellee Kai.	Antibilious
365	Do niruri.	Kella nellee.	Used in jaundice.
366	Do do same as	Mala nellee.	Antibilious.
367	Do Maderaspatisensis.	Nelakadumba Kalungoo.	Alterative.
368	Pharnaceum mollugo.	Thoora elay.	Stomachic, Aperient, Antiseptic.
369	Do do	Do lubbay.	Do do.
370	Do Cerviana.	Purpadagam.	Febrifuge, diaphoretic, expectorant, antibilious.
371	Phlomis Indica.	Thoomba Vayr.	Febrifuge, expectorant.
372	Physalis Flexuosa.	Amookanang Kalungoo.	Used in Rheumatic cases
373	Do root surat.	Soorathoo do do	Do
374	Do pubescens root.	Segappoo manathacaly Vayr.	Alterative, refrigerant.
375	Phenix farinifera, gum.	Eachum pisin.	Used in cases of scanty Lochial discharge.
376	Pimpenella anisum, aniseed.	Somboo.	Aromatic, carminative.
377	Piper longum, elephant pepper.	Auna thippelee.	Carminative.
378	Do Cubeba, cubebs.	Vaul molagoo.	Do refrigerant.
379	Do Nigrum.	Sheveum.	Laxative, stonachic.
380	Pistacia lentiscus, mastiche.	Roomimustaky.	Tonic.
381	Pillanthie root.	Pillanthie Vayr.	Tonic.
382	Psoralea carylo-folia.	Carpôga arisee.	Used in skin diseases.
383	Plantago ispaghula.	Spogal Verei.	Demulcent, refrigerant.
384	Plumbago Zeylanica.	Sithranoolum.	Stimulant, Vesicatory.
385	Pyrus cydonia, Quince seeds,	Beydana.	Refrigerant, used in Catarrh and Dysentry.
386	Pterocarpus marsupium.	Vootheravânga puttay.	Stimulant, Alterative.
387	Prosopis spicigera bark,	Vunni puttay.	Stimulant.

MADRAS.

VEGETABLE DRUGS.—(Continued.)

No.	Latin or English Name.	Native Name.	REMARKS.
388	<i>Polygonum barbatum.</i>	Alary Vayr.	Used externally in cutaneous diseases.
389	<i>Parunghi mooshuk.</i>	Parunghi mooshuk.	Stimulant.
390	<i>Partulaca quadrifida.</i>	Passala Keeray.	Its juice used externally in erysipalas, Diuretic.
391	<i>Pterocarpus santalinus.</i>	Segappoo sunthanum.	Carminative.
392	<i>Punica granatum seeds.</i>	Mathalum Verei.	Refrigerant.
393	<i>Ptychotis.</i>	Isbunth.	Used in cases of dyspepsia.
394	<i>Putchay leaves.</i>	Putchay elay.	Used in skin diseases.
395	<i>Putirasam seeds.</i>	Patherasam Verei.	Stimulant.
396	<i>Papetha.</i>	Santhanasoo cottay	Astringent, used in cholera.
397	<i>Quercus infectoria.</i>	Mausukkai.	Astringent, much used in Children diseases.
398	<i>Rape seeds, wild.</i>	Kattoo elloo.	Used in eye diseases externally.
399	<i>Raphanus Sativus seeds.</i>	Moollunge Verei.	Diuretic.
400	<i>Prenna integre-folio.</i>	Monnee Vayr.	Cordial, Stomachic.
401	<i>Raisins.</i>	Seemay elanthum palum.	Refrigerant.
402	<i>Resin black.</i>	Karoopoo Koongilium.	Do.
403	<i>Rheum palmatum.</i>	Variathoo Kalungoo.	Purgative, Astringent.
404	<i>Rhubarb kind of.</i>	Rehvin katai.	Do.
405	<i>Rosa.</i>	Punneerpoo or Goolaboopoo.	Refrigerant.
406	<i>Rubia munjista.</i>	Munthitti Vayr.	Used in rheumatic cases.
407	<i>Ruellia Strepens.</i>	Kirendynaigum.	Applied in cases of eruptions consequent on teething.
408	<i>Sandal powder.</i>	Santhana thool.	Carminative.
409	<i>Santalum album.</i>	Do Cuttay.	Do Tonic.
410	<i>Sansevieria zeylanica.</i>	Marool Kalangoo.	Used in hæmorrhoids.
411	<i>Sage leaves.</i>	Sage elay.	Its infusion used as a gentle tonic and stomachic.
412	<i>Samakoothanah.</i>	Sama koothanah.	Carminative.
413	<i>Salap punja.</i>	Punjah Salamisiree.	Tonic.
414	<i>Do Neilgherries.</i>	Neelagherry Salamisiree.	Carminative.
415	<i>Saujeraw.</i>	Saujeeraw.	Purgative.
416	<i>Senna folio.</i>	Soorathoo nelavaray.	Laxative.
417	<i>Saravatoo mootherz.</i>	Saravatoo mootherj.	Used in fevers and dyspeptic complaints,
418	<i>Piper Dichotomum.</i>	Thasavarum.	Alterative.
419	<i>Sadaputhee.</i>	Sadaputhee.	Stimulant.
420	<i>Sabina folio.</i>	Sabina elay.	

421	Senna folia, country.	Nautoo Neelavaray.	Purgative.
422	Senecarpus anacardium.	Saying Cottay.	Stimulant used in paralysis.
423	Scopolea aculeata.	Moolacarana puttay.	Stimulant.
424	Do	Kotta carana.	Used in hæmorrhoids.
425	Shell lac.	Avool aruckoo.	Used as liniment in cases of paralysis.
426	Sison ammi, Bishopsweed seed.	Womum.	Carminative Stimulant.
427	Do Surat.	Ajumatha Womum.	Do
428	Sida mauritiana, Mallow seeds.	Thoothee Verei.	Refrigerant.
429	Do root.	Thoothee Vayr.	Do
430	Do Lanceolata.	Malathangy Vayr.	Used in rheumatic cases.
431	Sirookalurva bark.	Sirookalurva puttay.	Do
432	Sirroonaugappoo.	Sirroonaugappoo	Astringent.
433	Strychnos potatorum.	Tatang Cottay.	Diuretic.
434	Do nuxvomica.	Yetty Cottay.	Used in rheumatic cases.
435	Do bark.	Do puttay.	Stimulant.
436	Do root.	Do Vayr.	Do
437	Do potatorum fruit.	Tettam palum.	Do
438	Styrax Benzoin, Benzoin.	Sanbrance.	Used in rheumatism.
439	Stroemia lefrandra.	Veelevayr.	Purgative.
440	Smilax China.	Paranghy Chukkay.	Tonic, used in rheumatism, alterative.
441	Do pseudo, China root.	Sirookuttoo Cody.	Alterative.
442	Barleria prionitis.	Senmoollee clay.	Used in catarrhal affections of children.
443	Soda Carbonas, Impura.	Poonceroo.	Used in combination with other medicines.
444	Allium sativum.	Vellapoondoo.	Stimulant, used in paralytic and rheumatic affections.
445	Solanum Jacquini seeds.	Kundungkuthire Verei.	Used in Gastritis.
446	Do root.	Do Vayr.	Do
447	Do pubescens root.	Soondacai Vayr.	Stimulant.
448	Nigrum root.	Manathacale Vayr.	Refrigerant.
449	Indium.	Sirroovashuthahe Vayr.	Used in rheumatism and in head and chest affections.
450	Trilobatum.	Thoothoorala Vayr.	Stimulant.
451	Nigrum Seeds.	Manathacalee Verei.	Refrigerant.
452	Spermaeoce Hispida, Seeds.	Nuttachoorree Verei.	Alterative.
453	Do root.	Do Vayr.	Do
454	Sphaeranthus Zeylanicus.	Sivakeranthe Vayr.	Used in fever and Cutaneous diseases.
455	Do indiens.	Kottan Karanthay.	Alterative.
456	Sorrel, a kind of	Pooleearana.	Used in hæmorrhoids.
457	Suksthra bathee.	Suksthra bathee.	Do fever, stimulant and expectorant.
458	Soorinjan.	Soorinjan.	Do Rheumatic Cases.
459	Tarunj akruby.	Tarunj akruby.	Tonic.

No.	Latin or English Name.	Native Name.	REMARKS.
460	<i>Terminalia chebula</i> .	Kadookai pingee.	Astringent.
461	Do <i>alata</i> .	Maroothum puttay.	Used in diabetes.
462	<i>Terminalia chebula</i> flowers.	Kadoocai poovoo.	Astringent, expectorant, febrifuge.
463	Do species of.	Munnoothe kadookai.	Do Laxative.
464	Thorn apple flower.	Voonnooth poovoo.	Narcotic.
465	Tormentile root.	Tormentile Vayr.	Astringent, used in diarrhæa and chronic dysentery.
466	Thorn bush, roots of	Vara moollee.	Diuretic.
467	<i>Tamarindus indica</i> , bark.	Pooleum puttay.	Stimulant.
468	<i>Tribulus Terrestris</i> .	Sirroonerengee.	Diuretic.
469	<i>Tricosanthes</i> <i>Lacimosa</i> .	Peypoodal.	Used to suppress Vomiting.
470	<i>Tricosanthes</i> .	Kakkanutchoo.	Used in cases of retention of urine.
471	Do <i>palmata</i> root.	Savare Kalungoo.	Antibilious.
472	Do fruit.	Savare Kai.	Antibilious.
473	<i>Tricosanthes</i> <i>Incisa</i> .	Sirroocerutta.	Poison.
474	<i>Traja</i> <i>Cannabina</i> .	Poonacanchoorree.	Febrifuge.
475	Do.	Sirroocanchoorree.	Do.
476	<i>Nicotiana</i> <i>Tabaccum</i> seeds.	Poogaelay Verei.	Narcotic.
477	<i>Turneric</i> .	Kuppoomunjul.	Stimulant.
478	<i>Trophis aspera</i> .	Perayam Verei.	Used in rheumatism.
479	<i>Trianthema monogynia</i> .	Vellacharana Vayr.	Do.
480	<i>Turneric</i> , species of	Sunni puttay.	Stimulant.
481	<i>Valeriana</i> <i>Jatamansi</i> .	Jadamangee.	Carminative, Febrifuge used in diarrhæa.
482	<i>Vauluboray</i> seed.	Vauloobova Arisee.	Used in Diarrhæa and in amenorrhæa.
483	<i>Vannilla</i> root.	Vanilla Vayr.	Aromatic, Stimulant.
484	<i>Vaymbadam</i> bark.	Vaymbadam puttay.	Used in Cutaneous affections.
485	<i>Vernonia anthelmintica</i> .	Kautoo Seeragum.	Used in Leprosy do
486	<i>Veratrum album</i> .	Pither rogamee.	Used as Collyrium.
487	<i>Vilamitcha</i> Vayr.	Vilamitcha Vayr.	Antibilious.
488	<i>Velary</i> root.	Velary Vayr.	Used in rheumatic cases.
489	<i>Vellerkoo</i> .	Vellerakoo.	Alterative.
490	<i>Viola suffruticosa</i> .	Orialthamaray.	Refrigerant, Tonic.
491	<i>Vitex Negundo</i> .	Nochili.	Used in cases of tympanitis.
492	<i>Injaruth</i> .	Injaruth.	Used in combination with plasters.

493	Vootungan.	Vootungan.	Tonic.
494	Xantheum orientale root.	Maroovoonatha Vayr.	Narcotic.
495	Serpentaria.	Snake root.	Stimulant tonic, Diaphoretic, and emmenagogue.
496	Sinapis album.	Venkadoogoo.	Stimulant.
497	Olibanum Galbanum.	Olibanum Galbanum.	Do chiefly used in plasters and as fumigation.
498	Barishmiun.	Barishmiun.	Aromatic, Stimulant.
499	Canella alba.	Canella p uttay.	Astringent.
500	Quercus cortex.	Oak bark.	Febrifuge, Tonic.
501	Cinchona oblongifolia.	Seema Vapum puttay.	Narcotic, applied externally in cases of inveterate itch.
502	Menispermum Cocculus.	Kakkakolli Verei.	Tonic.
503	Cascarilla bark.	Cascarilla bark.	Refrigerant.
504	Toothali Suffed.	Toothale suffed.	Astringent.
505	Cotton seeds.	Paroothee Verei.	Nauseant, cathartic, diuretic, and diaphoretic.
506	Colchicum seeds.	Colchicum Verei.	Stimulant, expectorant, diaphoretic and emetic.
507	Senega root.	Senega Vayr.	Stomachic, tonic and stimulant.
508	Bergera Kænigii.	Karoovápillay.	Diuretic, emetic.
509	Asclepias volubilis.	Kodee paulay.	Used in cases of lepra.
510	Lawsonia spinosa.	Maroodanie.	Emetic, stimulant.
511	Sinapis.	Kadoogoo.	Cooling.
512	Subja seeds.	Subja Verei.	Carminative, diuretic.
513	Caraway seeds.	Seemay Sombboo.	Refrigerant.
514	Cumin seed black.	Karoonjeeragam.	Diuretic and diaphoretic.
515	Colchicum Corns.	Colehicum poovoo.	Stimulant aromatic.
516	Pimenta.	Pimenta.	Demulcent, Tonic.
517	Linseed.	Aulee Verei.	Diuretic, Tonic.
518	Cucumis seed.	Soray Verei.	Stimulant.
519	Pepper longum.	Tippilee.	Carminative,
520	Anise seed.	Sombboo.	Purgative.
521	Jalap root.	Seemay Sivatha Vayr.	Tonic.
522	Ponga puttay.	Pongaputtay.	Alterative.
523	Pavukitah root.	Pavukka Vayr.	Astringent.
524	Nauga puttay.	Nauga puttay.	Do.
525	Moolilavam root.	Moolilavam Vayr.	Used in Rheumatism.
526	Kottam kody.	Kottam Cody.	Used in cutaneous diseases.
527	Ponnakutty.	Ponnakutty.	Do
528	Sirroovilam vayr.	Sirroovelam Vayr.	Antibilious.
529	Sida Lanceolata.	Malathanghy Vayr.	Refrigerant.
530	Solanum indicum.	Moolli Vayr.	Diuretic.
531	Eruttie peramuttie.	Eruttie Peramuttie.	Used in Diarrhea and Dysentery.

MINERAL DRUGS.

No.	Latin or English Name.	Native Name.	REMARKS.
532	Batharingeboya.	Batharingeboya.	Carmine, alterative.
533	Sevvelly.	Sevvullee.	Used in leprosy, psoriasis, and in hemorrhoids.
534	Puteharay elay.	Puteharay elay.	Diuretic.
535	Kottisanthoo.	Kotti Santhoo.	Refrigerant.
536	Valerian root.	Valerian Vayr.	Stimulant.
537	Mezercon root.	Mezerian Vayr.	Epispastic, stimulating diaphoretic and diuretic.
8849 <i>Mineral Drugs.</i>			
538	Stibium, antimony.	Soorna or Unjanakul.	Used as an emetic and as collyrium.
539	Amber.	Umber.	Stimulant.
540	Do burnt.	Sootta amber.	Do.
541	Do	Sany amber.	Do.
542	Ambergris.	Min amber.	Do.
543	Arsenicum flavum, sulphuret of arsenic.	Auritharum.	Used to check obstinate intermittent fevers and in Glandular complaints, in apoplectic attacks, and in certain Leprosis affections.
544	Do auripigmentum.	Ponnaritharum.	Do
545	Do Oxydum album.	Vellapashanum.	Do
546	Arsenicum yellow, sulphuret of	Thalagam.	Do
547	Do Rubrum.	Kootherappaal pashanum.	Do
548	Do Orpiment, a kind of	Seppoothotty pashanum.	Do
549	Do a kind of	Manoselay.	Do
550	Bole Armenian China.	Seenay Kaviceulloo.	Refrigerant.
551	Do Country.	Nauttoo do.	Do
552	Bismuth.	Vungala nemalay.	Tonic.
553	Borax.	Venkarum.	Diuretic.
554	Calciscarb, chalk.	Seena Choonnamboo.	Astringent.
555	Alumen.	Padikarum.	Do diuretic.
556	Copper, acetate of	Paulthoothum.	Do Tonic.
557	Do blue carbonate of.	Lalajavurthoo.	Carmine, used with other drugs.
558	Coral.	Pavalum.	Tonic.
559	Do its branches.	Pavalakkody.	Do
560	Cidialis.	Asuralivooth.	Used in Tetanus, Tonic, Stimulant.
561	Cinnabar, manufactured.	Lingum.	Used in fever and Rheumatism.

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562	Soap earth.	Pooneroo.	Diuretic.
563	Fel Vitri.	Valiellooppoo.	Carmnative.
564	Copper, sulphate of	Thoothum.	Tonic, astringent.
565	Copaul-gum.	Karobaw.	Do astringent.
566	Hydargyri bichloridum.	Suveerum.	Purgative, used in rheumatism.
567	Jarmohora.	Jarmohora.	Tonic.
568	Inkilkum.	Inkilkum.	Stimulant.
569	Asbestos.	Kulnar.	Tonic, refrigerant.
570	Asphaltum.	Mommayee.	Used as anodyne to painful parts.
571	Gypsum.	Kurpooraselasthoo.	Refrigerant, Tonic.
572	Kashi Noray.	Kashi Noray.	Diuretic.
573	Lead.	Kareum.	Employed in glazing porcelain white.
574	Lead stone flat.	Palavacanthum.	Tonic.
575	Lime stone.	Sookkan culloo.	Expectorant.
576	Iron, sulphate of	Annabathe.	Tonic.
577	Rock salt	Inthupoo.	Carmnative.
578	Red precipitate, Native preparation.	Rassasendooram.	Used as Calomel.
579	Rassacurpooram.	Rassacurpooram.	A sort of murate of mercury, used in Leprosy.
580	Sulphur.	Kenthagum.	Used in Cutaneous diseases and rheumatism, refrigerant.
581	do purified	Soothe Kenthagum.	do
582	Sungoo ashum.	Sungoo ashum.	Tonic.
583	Palakaroodakul.	Palakaroodakul.	Used as Liniment in headache.
584	Nauganum.	Nauganum.	Tonic, astringent.
585	Zinc, sulphate of	Sathy paul thoothum.	Containing saltness or acidity mixed with sharpness.
586	Soap earth, a kind of	Appilakarum.	Diuretic.
587	Borax, Oil.	Yennavankarum.	Used in making plasters.
588	Letharge.	Meerootharing.	Carmnative.
589	Salt, black.	Caroopoo Oppoo.	Diuretic, refrigerant.
590	Potassa Nitras.	Potoolooppoo.	Refrigerant.
591	Onyx.	Konathaga selasitfoo.	Astringent, Tonic.
592	Sathanuj.	Sathanuj.	Used in Diabetes, Tonic.
593	Mica.	Appragum.	Do do.
594	Do of yellow colour.	Yema Appragum.	Do do.
595	Do of black colour.	Kistna Appragum.	Used in Anæmia and Gastritis.
596	Magnetic Iron Stone.	Kul Kaunthum.	Stimulant.
597	Sal Ammoniac.	Navacharum.	Used in Ophthalmia as an Ointment.
598	Zinc.	Naugam.	Used in making plasters.
599	Lead, red oxide of	Teasendoorum.	Given after childbirth to bring out the lochial discharge freely.
600	Boothathumberan.	Boothathumberan.	

ANIMAL DRUGS.

No.	Latin or English Name.	Native Name.	REMARKS.
601	Alumen pluosum.	Kulmathum.	Refrigerant, diuretic.
602	Bezoar, Cow.	Mairmanicum.	Used in the form of Liniment to make hairs grow.
603	Bombyx, Silk worm.	Puttoopoochee.	Stimulant, used as decoction.
604	Calculus Cisticus (Bovis.)	Koróshanum.	Do Febrifuge.
605	Do do (Camelinus.)	Woonda korósanum.	Febrifuge.
606	Coccus Cacti.	Cochineal Pooche.	Astispasmodic, anodyne.
607	Lacca, Lac.	Kombarackoo.	Its decoction given to suppress hæmorrhage.
608	Musk.	Kustooree.	Stimulant, astispasmodic.
609	Peacock's feather.	Mayileragoo.	Its decoction used to suppress Vomiting.
610	Meconium, young Camel's,	Rassavuttoo.	Used as an application in cases of Ophthalmia, and internally to ease cough.
611	Turtle's shell.	Amay Odo.	Used in children's diseases with other decoctions.
612	Silk-worm's nests.	Puttoo poocheekoondoo.	Said to be tonic, used with electuaries.
613	Lizard species of	Ragoomayee.	Used by Mahomedan hakums as a good tonic in cases of debility and impotence, broken up, in combination with other electuaries—said to be exported from Arabia.
614	Mylabris cichorei.	Vundoo poochee.	Excellent substitute for the Spanish fly.

MADRAS.

THE HONORABLE WALTER ELLIOT, Esq.,
Exhibitor.

Articles in bronze.

- 8857 2 Vases on marble pedestals.
8868 2 Horses.
8869 Dog and Tortoise.
8870 2 Tazzas.
8871 Figure of Spanish Dancer.
8872 Vase on Marble Stand.
8873 Do with Top.

- 8874 Horn of the African Rhinoceros (R. Sinois) carved in China.

Crania.

- 8875 2 Elephants.
8876 2 Wild Buffaloes.
8877 2 Bisons.
8878 Rhinoceros with Horns.
8879 Hippopotamus.

Messrs. ASHTON, RICHARDSON AND Co.,
Exhibitors.

Vizagapatam Articles.

- | | | | |
|------|---------------------------------|-------|-----------|
| 8880 | 4 Glove Boxes | each | Rs. 3. |
| 8881 | 3 Cribbage Boards | do | Rs. 4-4. |
| 8882 | Horn letter file | | Rs. 14. |
| 8883 | 2 Horn Inkstands with Bottlesea | | Rs. 10. |
| 8884 | Do do | do | Rs. 9. |
| 8885 | 2 Do Work Boxes | ea. | Rs. 12. |
| 8886 | 3 Fancy Card Boxes | do | Rs. 3. |
| 8887 | 2 Horn do do do | | Rs. 2. |
| 8888 | Do do do | | Rs. 2-12. |
| 8889 | Do do do | | Rs. 2. |
| 8890 | 3 Fancy Paper weights | ea. | Rs. 2. |
| 8891 | 2 Do Cigar Cases | do | Rs. 2-8. |
| 8892 | 5 Do Card Cases | do | Rs. 2. |
| 8893 | 3 Do do do do | | Rs. 1-8. |
| 8894 | 1 Horn Paper Cutter | | Rs. 1-4. |
| 8895 | 4 Sandlewood do | ea. | As. 8 |
| 8896 | 2 Horn Round Roolers | ea. | As. 12 |
| 8897 | 1 Do Work Basket | | Rs. 10. |
| 8898 | 2 Fancy do do | each. | Rs. 10. |
| 8899 | 3 Do do do do. | | Rs. 12-12 |
| 8900 | 2 Do do do do. | | Rs. 10-12 |

S. AUTHIAH CHITTY, Exhibitor.

- 9029 Silver fish and plate Rs. 100.
9030 Diamond Ring „ 70.

Conductor G. STEVENSON, Gun Carriage
Manufactory, Exhibitor.

- 9031 Carriage Iron for Howitzer iron 10 inch,
Major Maitland's pattern, with the
following articles belonging to the
Carriage.
1 Howitzer Iron N. C. 10 inch.
1 Scale Tangent Howr. iron N C 10 in.
1 Hammer Percussion Howr. 10 inch.
1 Handspike Traversing Howr. 10 inch.

KRISTNEMAH ACHARY, Jeweller, Vellore,
Exhibitor.

9032 Articles of Jewellery.

- 2 Muffineers Rs. 25 each or pair Rs. 45.
Porte Bouquet Rs. 35.
Silver gilt brooch Rs. 7.
Silver brooch Rs. 4-8.
2 Elephant hair rings each Rs. 4-8.

Mr. P. A HUNT, American Mission
Press, Exhibitor.

- 9033 Specimen of Gum Hog from South
America.

*(The Exhibitor is desirous of knowing
whether this article can be obtained in
India. Any communication on this subject
may be addressed to him direct, or to the
Secretary of the Local Committee.)*

VENKATARAMANIAH GAROO, Zemindar of
Thathavally Moottah, Exhibitor.

Grains.

- 9034 Thella Cundooloo (in one case)
9035 Chittrala Cundooloo.
9036 Nulla Cundooloo.
9037 Apeny or Opium 16 Rs. weight Rs. 5
9038 Gums (in two tin cases)
9039 2 Stones.

Oils.

- 9040 Gingelly Oil, 7 Viss, Rs. 20
9041 Yelooppay Oil, 6 Viss, Rs. 15
9042 24 Cocoanuts.

THE SECRETARY OF THE MILITARY FEMALE
ORPHAN ASYLUM, Exhibitor.

- 9043 Specimens of needle work, done by
the Girls of the M. F. O.
Asylum.

- | | |
|---------------------------|--|
| Child's frock embroidered | Rs. 30. |
| Embroidered collar | } Sold to Mrs.
J. BinnyKey, Rs. 35. |
| Pair of sleeves | |
| Bands for ditto. | |

C. COOMARASWAMY MOODELLIAR, Exhibitor.

- 9044 Silver Hookah bottom complete, Con-
taining 6 Pieces viz., bottom, neck,
chillumbee, 2 covers for ditto and
Naicha, Rs. 150.

CAPTAIN W. BAKER, Exhibitor.

- 9045 Silver model of the Madras Lighthouse
made by Sawmy Maistry of Vellore.
The four corner pedestals, and the
base of the column are boxes to con-

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tain spices ; and the column itself is a nutmeg grater.

- 9346 Lamp & 3 Reflectors for Santapilly Light house (*from the Madras Arsenal.*)

GOORRUM VENKANNA SASTROOLOO, Exhibitor.

- 9047 4 Chess Boards (Silk) of 64 Squares showing consecutive moves of the Knight so as to cover each square once, and none twice, Rs. 35 each.

JOHN TAWSE, Esq., Exhibitor.

- 9048 Photograph Portrait of Lieut. Colonel W. Pitt Macdonald.

W. B. NORFOLK, Esq., Exhibitor.

- 9049 Irrigating Machine.

P. MOOROOGASAM, Draughtsman, Medical College, Exhibitor.

- 9050 Portrait drawn by Exhibitor.

ANNASAWMY, Assistant Artificer, Medical Stores, Exhibitor.

- 9051 Lancet made by Exhibitor.

Mr. J. DESCHAMPS, Exhibitor.

- 9052 Ivory Davenport, lined with Sandalwood and Satinwood made at Vizagapatam by order of Government.

T. C. STREENEVASA PILLAY, Exhibitor.

- 9053 One Rajah's Swinging Car or Rathavoonjul including Images of 4 Hindoo Rajahs, Viz.
Nawab.
Vieramaditta Rajah.
Salevahana Rajah.
Sevoghhee Maharajah and of the Royal Consorts of different Rajahs.
For Sale Rs. 50-6-8.

Mr. B. ROSS, Exhibitor.

- 9054 Fancy beetle wing tinsel dress border manufactured at Aurungabad, Rs. 25.

T. L. R. SHAND Esq., Exhibitor.

- 9055 Pair Buffaloe horns.

Major BOILEAU, Engineers, Exhibitor.

- 9056 Model of a moveable dam.

Lieut. A. S. MOBERLEY, Exhibitor.

- 9057 Model of a proposed Sluice gate for Head Sluices for channels.

The following extract from Lieut. Moberley's letter will furnish the best explanation.

"If the Head Sluice should have an opening of only 3 feet one gate would suffice at each end.

"Having often observed the difficulty that exists in lifting up the pieces of wood that are now used and which are kept in their position by Beam Stones crossing over from one Pier to another, and also the obstruction that these Stones cause to the free flow of the water. Captain Heathorn and I, when on a tour of Inspection together a short time ago, talked the subject over. The accompanying Drawing shews what Captain Heathorn proposed and the Model is proposed by myself as an improvement on Captain Heathorn's plan, having I conceive the advantage of furnishing greater water way.

"As both are extremely simple, I presume there is no need for a detailed explanation."

W. B. WRIGHT, Esq., Exhibitor.

- 9058 Specimens of Coke manufactured at the Railway Company's Ovens.

MAJOR T. A. JENKINS, Exhibitor.

- 9059 Model of yacht rigged, adapted for a length of from 30 to 40 feet.
9060 Lines of Do and of Canal Passenger Boat for India.

LIEUT. F. G. HANKIN, Asst. Engineer Godavery Division, Exhibitor.

- 9061 Resin prepared from the milk hedge (Euphorbia Tirucalli)

Mrs. J. BINNY KEY, Exhibitor.

- 9062 Cameo Brooch of great antiquity having been upwards of a century in the possession of the family of an Italian Gentleman from whom it was purchased.

MAJOR J. MAITLAND, Exhibitor.

- 9063 American piage grown in the compound of the Gun Carriage Manufactory.

MESSRS. OAKES AND CO., Exhibitors.

- 9064 Harmonium with harmonics, stops 12, by Alexandre et Fils Rs. 600.

Mrs. CRISP, Exhibitor.

- 9065 Petrified Grass from Sumatra.

MADRAS.

MAJOR SIMPSON, Exhibitor.

- 9066 Chemical Balance, 16 Inch beam, to carry 5000 grains in each pan, and indicate the 3-1000 of a grain by "Liebhaber" Madras.

THE HON. WALTER ELLIOTT, Esq., Exhibitor.

- 9067 Specimens of the National Arms of different Countries of India.

LADY MONTGOMERY, Exhibitor.

- 9068 Marabout feather Fan from Travancore.

Mr. G. J. LAFOND, Exhibitor.

- 9069 2 Frames of Photograph likenesses.

REV. E. PORTER, Exhibitor.

- 9070 *Articles from Cuddapah Mission School.*

Collar	Rs. 3.
Do.	" 1-12.
Lady's Sleeves	" 4-8.
Do	" 4-8.
Frock Body	" 2.
Crochet Tidy	" 2.
Do D'oyley	" 2.
Model Cart	" 1.
Model of a Country Cart	" 1-8.

Major T. A. JENKINS, Exhibitor.

- 9071 Saddle on improved principle.

W. E. UNDERWOOD, Esq., Exhibitor.

- 9072 Sample of Arnee Muslin Rs. 700 the piece.
9073 14 Articles bought in London at one penny each.

C. V. CONNIAH CHETTIAR, Exhibitor.

- 9074 Fibre Cutting Machine.
9075 Circular Saw.

Captain W. E. BAKER, Exhibitor.

- 9076 Model of Tilt hammer (*Campbell Hammer*.)

G. LATHAM, Esq., Exhibitor.

- 9077 Two perspective views of proposed public building for Telegraph Office, Post Office, and Public Rooms for Madras.

ABDOOL CAWDER, Exhibitor.

- 9078 Bottle containing two figures.

G. NARRAINSAWMY NAIDOO, Exhibitor.

- 9079 Pair Kachacada bangles Rs. 35.

W. J. ADDIS, Esq., Exhibitor.

- 9080 Case of Minerals.

J. G. GARRETT, Esq., Exhibitor.

Photographs.

- 9081 View from the Road at the back of the Club.
9082 Tippoo's Drop taken from Murdidroog.
9083 A Gateway and Cart.

P. SASHACHELLUM, Exhibitor.

- 9084 Box of Wontimitta Indigo.

MR. FRENCH, Exhibitor.

- 9085 *Specimens of Needlework from the Town Orphan Asylum.*

1 Sofa Cushion, large	Rs. 8-8
1 Do do do	" 8
1 Do do small	" 6
1 Large Antimaccassar	" 5
1 Do do	" 5
1 Small do	" 4-8
1 Do do	" 4-8
1 Do do	" 4
1 Do do	" 4
1 Do do	" 3-9
1 Do do	" 3-8
1 Do do	" 2-9
1 Oval Antimaccassar pink	" 2
1 Piano Stool Cover	" 1
1 Braided Alpaca frock	" 3-8
1 Travelling Bag	" 2-11
1 Pair Braided Slippers	" 4-8
1 Pair Slippers	" 2
1 Crochet Collar	" 2-4
1 Do do	" 1-9
1 Knotted Bag	" 1-12
1 Do do	" 1-12
1 Do do	" 1-12
1 Do do	" 1-10
1 Pair Flowered Mats	" 2-3
1 Pair Jugs	" 1
1 Money Purse	As. 9
1 Do do	" 9
1 Doll's Straw Hat	" 12
1 Do do do	" 10

JACOB SAIB, Chepauk Street, Triplicane, Exhibitor.

- 9086 5 Artificial Flowers in stand, Rs. 3-8 ea.

Miss TATHAM, Saint Thome, Exhibitor.

- 9087 Shawl from China.

W. E. UNDERWOOD Esq., Exhibitor.

- 9088 2 Japan Boxes.
9089 Embroidered Cloth made by Jetting Row. Rs. 550.

MADRAS.

Mrs. NICHOLLS, Exhibitor.

- 9090 Paper Flowers intermingled with West Indian grass, and leaves made of feathers, grouped in a basket made of Sea weed.

J. ROHDE Esq., Exhibitor.

- 9091 Carved Ivory Cup.

LINGA RAJOO, Exhibitor.

- 9092 Pieces of embroidered Muslin, Rs. 350.
 9093 Do do Rs. 50.
 9094 Do do Rs. 17-8.
 9095 Do do Rs. 14.
 9096 2 Embroidered hand punhahs Rs. 175.

Messrs. P. ORR, AND Co., Exhibitors.

- 9097 Model of a Steam Engine by J. Prothero.

SILLAR SAHIB, Exhibitor.

- 9098 Box containing Attars.
 9099 Box containing hair oils.
 9100 Parcel of Smelling Woods.

Major A. T. JENKINS, Exhibitor.

- 9101 Sun dial made by Messrs. Lowe and Co.

REV. P. PERCIVAL, Exhibitor.

- 9102 Stereoscope with likenesses of the Misses Percival.
 9103 Copies of the Dinavurthamani of 5th and 12th February 1857.

RAMER COTIAH NAIDOO, Exhibitor.

- 9104 Silk handkerchiefs.

Captain NEWLYN, D. A. C. G. Exhibitor.

- 9105 Amputating knife.

ANNASAWMY, Asst. Artificer Medical Stores, Exhibitor.

- 9106 Couching Needle for the eye.

C. V. CONNIAH CHETTIAR, Exhibitor.

- 9107 Specimens of paste Boards.
 9108 do mill Board.
 9109 Book containing Samples of Paper (*the above made at the Paralore Mills.*)

AMEENAHANNUM, Exhibitor.

- 9110 Basket of cotton.

MADURA.

R. D. Parker, Esq. Collector of Madura

Exhibitor.

OILS.

- 1133 Lamp.
- 1134 Margosa.
- 1135 Chittamanaka or Caster.
- 1136 Ilooppoo.
- 1137
- 1138 Kooroonthennai.
- 1139 Gingily.
- 1140 Poonka.
- 1141 Kauttamankoo.
- 1142 Kooroochoo.
- 1143 Sheep.
- 1144 Teak.
- 1145 Sevanarvemboo.
- 1146 Davadari.

Gums.

- 1147 Karoovalen.
- 1148 Margosa.
- 1149 Mooroongai.
- 1150 Mango.
- 1151 Vailam.
- 1152 Do. Do.
- 1153 Vangai.
- 1154 Dammer.
- 1155 Velvailan.
- 1156 Keilley or milk hedge.
- 1157 Vilchry.

IRON ORES.

- 1158 Iron ores.
- 1159 Do. Sand Do.
- 1160 Do.

DYES.

- 1161 five Specimens of Dyes.
- 1162 Vaimbalam puttai.
- 1163 Manoyadom vair.
- 1164 Vaimbalum codi.
- 1165 Munganati or naud vair.
- 1166 Laffer Seed.
- 1167 Tobacco.
- 1168 six Specimen of Segar.
- 1169 six Chanks

Aroonachellum Chetty, Exhibitor.

CHANKS.

- 1170 one Moochank Rs. 35.
- 1171 ten Common chanks Rs. 1-4.
- 1172 ten Polished do Rs. 1-14.

R. D. Parker, Esq. Collector of Madura

Exhibitor.

FIBRES.

- 1173 Poolishee
- 1174 Cocanut.
- 1175 Eroochalai.
- 1176 Plantain.
- 1177 Oaddi.
- 1178 Sadamboo.
- 1179 Palmira.
- 1180 Marool.
- 1181 Thelai.
- 1182 Autti.
- 1183 Karoonkathalay.
- 1184 Kanthalay.

- 1185 Sali.
- 1186 Kadambai.
- 1187 Valoockai.
- 1188 Saroogoo.
- 1189 Velvaila.
- 1190 Valamoori.
- 1191 Perandai.
- 1192 Vaila.
- 1193 Auvi.
- 1194 Avile.
- 1195 Thoothe.

Voodappah Naick Exhibitor.

- 1196 Malayitta.
- 1197 Karoovaila.

Doddapah Naick Exhibitor.

- 1198 Kattaila.

R. D. Parker, Esq. Collector of Madura

Exhibitor.

DRUGS.

- 1199 Moockarandi Sevenar Vaimboo.
- 1200 Noachi.
- 1201 Amooockola Kelangoo.
- 1202 Auda thoddai.
- 1203 Keelvanully.
- 1204 Purpadagum.
- 1205 Peramootti.
- 1206 Koodivaily.
- 1207 Peroonthoombai.
- 1208 Nunnari.
- 1209 Tulai Sooroole.
- 1210 Sittamootti.
- 1211 Ponnangani.
- 1212 Audoothinna Palai.
- 1213 Peenari Sunkoo.
- 1214 Malathanki.
- 1215 Cauttoo Curonai.
- 1216 Visha meongil.
- 1217 Villackondoo moottoo vair.
- 1218 Peicoommatti.
- 1219 Seroograi.
- 1220 Seroomooddackattan.
- 1221 Koavay.
- 1222 Vaily paratty.
- 1223 Kundum Kattary.
- 1224 Veppalai.
- 1225 Poonkoo.
- 1226 Sunkoo.
- 1227 Kolenjee.
- 1228 Toodoovalai.
- 1229 Nelavangai.
- 1230 Boomichuckarai Kelungoo.
- 1231 Auvoori.
- 1232 Nelappanaikelangoo.
- 1233 Malai Auvoori.
- 1234 Imboorah.
- 1235 Indoo.
- 1236 Vellarogoo.

Veedpodagum Exhibitor.

- 1237 One Box of Drugs.

MADURA.

Revd. C. R. Little, Exhibitor.
1238 Cuscus root.

R. D. Parker, Esq. Collector of Madura
Exhibitor.

WOODS.

1239	Veckauli	four	samples.
1240	Karoothali	4	do
1241	Teak	6	do
1242	Rose	3	do
1243	Vainkay	6	do
1244	Paulai	4	do
1245	Kadoockoi		
1246	Gallnut	4	do
1247	Agil	4	do
1248	Madagherry Vamb	4	do
1249	Manjacadamboo	4	do
1250	Neercadamboo	5	do
1251	Alinjee	2	do
1252	Karoovailm	5	do
1253	Jack	3	do
1254	Vangai	5	do
1255	Perah.	3	do
1256	Iroovettala	6	do
1257	Neycatta	5	do
1258	Baracally	5	do
1259	Punneer	3	do
1260	Maroodum	5	do
1261	Kanya	4	do
1262	Pinjuttai	4	do
1263	Navoogary	4	do
1264	Nariveroosoo	5	do
1265	Nedoonari	5	do
1266	Karoockoovry	4	do
1267	Davadari	5	do
1268	Koongilam	3	do
1269	Malayvaimboo	5	do
1270	Irooppotttoo	3	do

STONES.

1271	Petrified Stones.
1272	do of another kind.
1273	Singitta.
1274	Black pebble stone.
1275	Mooroogoo.

Dasigum Iyengar, Exhibitor.

1276	Block of Maculstone.
1277	sixteen Vessels of Maculstone.

Savoogun Chetty, Exhibitor.

METAL VESSELS.

1278	Sundana copai	2	Rs. 1-9-6.
1279	Tumbler	0	12-6.
1280	Suracay Lotah	As.	10-6.
1281	Poojavutttagay,	Rs.	1-6.
1282	Seena chemboo	1-8-4.	
1283	Small	0	9-0.
1284	Rajahmahandrum chemboo	1-12-1.	
1285	do Small	0-13-3.	
1286	Lotah chemboo	1-7-7.	
1287	Small do.	11-3.	
1288	Abkurra do.	0-8-1.	
1289	Punjapattarum	1-12-4.	
1290	Koomba	2-4-0.	
1291	Small do.	0-14-0.	

1292	Padikum	1	2-6.
1293	Sinooockaricaky	0	6-0.
1294	Arnay	0-5-0.	
1295	Myeburnay	0-3-0.	
1296	Roodranee	2-0-9	0.
1297	Tootinaga Goosa	3-0-0.	

Letchoomana Chetty, Exhibitor.

1298	Bell	Rs.	4	14-9.
1299	Goosa	Rs.	4	1-3.
1300	Sundana coomba	Rs.	2-4-3.	
1301	Large Tumbler	Rs.	1-4.	
1302	Small do.	As.	15.	
1303	Cup	Rs.	1	9.
1304	Plate	Rs.	2-3.	
1305	do	Rs.	2	3-8.

Aroonachellum Chetty, Exhibitor.

CLOTHS.

1306	Laced Woman Cloth	Rs.	96.
1307	Dyed do do	Rs.	86.
1308	Gown Cloth	Rs.	2-8.
1309	Table Cloth	Rs.	6-3.
1310	Dozen of Napkins	Rs.	2-4.
1311	do do	Rs.	2-4.
1312	Coarse Cloth	10	Yards Rs. 5-4.
1313	Black do	10	Yards Rs. 3-15.
1314	Black Cloth	10	Yards Rs. 3-15.
1315	Piece of Gown Cloth	Rs.	4-8.
1316	do of do	Rs.	3-4-6.
1317	do	Rs.	3-4-6.
1318	do of Cloth	Rs.	3-4-6.
1319	do of do	Rs.	3.

Letchooman, Chetty Exhibitor.

1320	Laced Cloth	Rs.	165.
1321	Head Handkerchiefs	Rs.	45.
1322	Laced Man Cloth	Rs.	35.
1323	do do	Rs.	37.

Revd. C. R. Little, Exhibitor.

FECULA OR STARCHLIKE SUBSTANCES.

1324	Arrow root	25	lbs.
1325	Tapioco flour	30	lbs.
1326	flour	$\frac{1}{2}$	Viss
1327	Plantain meal	$\frac{1}{2}$	Viss.

Nerasinga Row, Exhibitor.

1328	Aulvully root flour.
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Arnachellum Chetty, Exhibitor.

1329	two Valories
1330	Puravay Marams Rs. 3.

Dasegum Iyengar,

1331	two Horn Valaries	Rs.	5.
1332	one Ivory	do	Rs. 10.
1333	one Fencing Stick with horn handle	Rs.	6.

R. D. Parker, Esq. Collector of Madura
Exhibitors.

1334	one Water wheel	Rs.	5.
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MALABAR.

Tachara Kavil Tiroomelpood, Exhibitor.
2642 One Box Gold Dust, Rs. 61.

Ramoony Marar, Tahsildar of Ernaad, Exhibitor.

2643 Iron Ore.

Mr. W. Bates, Exhibitor.

2644 Lime Stones.
2645 do. Slocked.

Ramoony Panikar, Tahsildar of Cotteyam, Exhibitor.

2646 Slate Stone.

Mr. F. Green, Fical of Cochin, Exhibitor.

2647 Sand for Polishing Gold.

Ramoony Panikar, Tahsildar of Cotteyam, Exhibitor.

2648 Cardamom, Rs. 1.
2649 Cassia Bark.
2650 Cassia Buds, As. 2.
2651 Cinnamon prepared, As. 2-7.
2652 Cloves, As. 1.

Tahsildar Chandoo Nair, of Coormenaad Exhibitor.

2653 Coconut, As. 6.

Ramoony Panikar, Tahsildar of Cotteyam, Exhibitor.

2654 Mace, As. 6.
2655 Nutmegs, As. 4.
2656 Pepper, ungarbled black heavy, As. 2-3.
2657 do. white, As. 3.

Chendoo Nair, Tahsildar of Coormenaad, Exhibitor.

2658 Turmeric, Pice 4.

Fecula or Starch-like Substances.

Caray Bapoo, Tellicherry, Exhibitor.

2659 Arrow Root, 1st sort, As. 3-2.

Tahsildar of Walloowanaad in Comen Nair, Exhibitor.

2660 One Packet Yam Chavel.

Candoo Nair, Tahsildar of Coormenaad, Exhibitor.

2661 One Packet Coorookul.

Tahsildar of Walloowanaad in Comen Nair, Exhibitor.

2662 one Packet Kavalah.
2663 one do. Korana.
2664 one do. Noot.
2665 one do. Noolen Chavel.
2666 one do. Nopen.
2667 one do. Poola.
2668 one do. Shadavery.
2669 one do. Venny.

Gum and Gum Resins.

2670 one Packet Cashew Gum.
2671 one do. Chengilium.
2672 one do. Coonguilium.
2673 one do. Dammer.

These are obtained from a tree named "Paynee." The sap first obtained is called "Chengilium," the next "Coonguilium," and when dried it is called Dammer.

2674 one Packet Kino.
2675 one do. Lac.
2676 one do. Panichy Fruit.

The fruit is used for tanning leather and the sap for varnishing canes.

Fibres.

Anunthiyer Putter, Tahsildar of Cawaye Exhibitor.

2677 Annakolly.

Ramoony Marar, Tahsildar of Ernaad, Exhibitor.

2678 Chella Tree Bark, tanned, Pice 4.
2679 Chella do. do. untanned.

Anunthiyer Putter, Tahsildar of Cawaye Exhibitor.

2680 Chir.
2681 Chora Kolly.
2682 Cotton.
2683 Kawlah.
2684 Koorondotty.
2685 Vella Kolly.
2686 Venna Nar.

Oil Series.

Krishna Menon, Tahsildar of Chowghat, Exhibitor.

2687 Caju Nut, 1½ Bottle, Pice, 10.

Ramoony Panikar, Tahsildar of Cotteyam,
Exhibitor.

2688 Castor, 1 Bottle, Rs. 1.

Krishna Menon, Tahsildar of Chowghat,
Exhibitor.

2689 Carrincotta, 1½ Bottle, As. 1-6.

Manjoo Comaty, Huzzoor Head Moonshee,
Exhibitor.

2690 Lemon Grass, 1½ Bottle.

Krishna Menon, Tahsildar of Chowghat,
Exhibitor.

2691 Neeratty, ¾ Bottles, As. 3-2.

Chandoo Menon, Tahsildar of Coormenaad,
Exhibitor.

2692 Odda Vally Seed, ¼ Bottle, As. 2-10.

Krishna Menon, Tahsildar of Chowghat,
Exhibitor.

2693 Poona, 1½ Bottle, As. 4-7.

Dyes.

Collector of Malabar, Exhibitor.

2694 Chay Root, 1 Parcel, As. 6.

2695 Sappan Wood, 1 piece, Rs. 1-8.

Timber.

2696 two pieces Beety or Black Wood or Rose
Wood.

2697 two do. Teak.

2698 two do. Jack.

2699 two do. Aynee.

The average price of No. 2697 per Candy is 15
Rs.—No. 2696 fetches 10 Rs.—No. 2698, 4 Rs.
and No. 2699, 5 Rs. per Candy.

2700 two do. Cheeroo Poona.

No. 3700. This wood is unfit for building pur-
poses—but makes good Masts for Vessels. It
fetches a price of 100 Rs. each.

2701 two do. Venteak.

2702 two do. Erool.

2703 two do. Caramaradoo.

2704 two do. Tallymaradoo.

2705 two do. Venga.

Nos. 2701 to 2705. Used for buildings of minor
importance. Their prices vary from 2 to 4 Rs. per
Candy.

2706 two Pieces Cana Kaidah.

2707 two do. Canharah.

2708 two do. Caroovaga.

2709 two do. Adohkaden.

2710 two do. Padrec.

2711 two do. Nhettavalah.

2712 two do. Veembah.

2713 two do. Kayanee.

2714 two do. Mavo (Mango Tree.)

2715 two do. Annakarah.

Nos. 2706 to 2715. Unfit for buildings but used
as firewood and for other common purposes. The
fruit of No. 2714 is catable.

2716 two Pieces Poolly Marom or Tamarind Tree.

No. 2716. The fruit is used by Natives as an
ingredient in their curries, the average price of
which is 6 Annas per Maund.

2717 two Pieces Irippa.

2718 two do. Poowom.

Nos. 2717 and 2718. Unfit for buildings, but
lamp oil is extracted from the fruits of these trees.
The price of the oil does not exceed 4 Annas per
Dungally, (2 seers).

2719 two Pieces Neeratty.

2720 two do. Changanah.

2721 two do. Chorovenga.

2722 two do. Cooloor Mavo.

2723 two do. Taddatee.

2724 two do. Carrintagarah.

2725 two do. Coat Vapoo.

2726 two do. Poonah.

2727 two do. Potan Vagu.

2728 two do. Nemeny Vagu.

2729 two do. Coomeyoo.

Nos. 2720 to 2729. Unfit for buildings. The
bark of No. 2722, when steeped in water, produces
a vicious substance, which is mixed with clunam
for building purposes.

2730 two Pieces Cadookah.

2731 two do. Tany.

2732 two do. Nely.

Nos. 2730 to 2732. Unfit for buildings, but the
fruits are used for medical purposes and fetch small
prices.

2733 two Pieces Caroomarom or Ebony.

2734 two do. Paynavoo.

2735 two do. Man Doruguy.

2736 two do. Veyah.

Nos. 2733 to 2736. Generally unadapted for
any building, but No. 2734 which is seldom procur-
able, is used in common work.

2737 two Pieces Agela or Cedar Wood.

No. 2737. This wood is useful for furniture,
but is found only in high forests.

2738 two Pieces Trikadambboo.

2739 two do. Arampoolie.

2740 two do. Cheeny.

Nos. 2738 to 2740. Fit for common purposes
only.

2741 two Pieces Payanah.

No. 2741. Fit for common purposes only, but
the fruit is useful and fetches a small price.

2742 two Pieces Odoogah.

2743 two do. Palah.

2744 two do. Tavallah Marom.

2745 two do. Podyy Anny alias Oopooty.

2746 two do. Kallantallah.

2747 two do. Poollah.

2748 two do. Nhaval.

2749 two do. Moorokoo.

2750 two do. Peral.

2751 two do. Mayl Elloo.

2752 two do. Atec.

2753 two do. Araal.

2754 two do. Plasha.

2755 two do. Nee Benteak.

Nos. 2742 to 2755. Fit for common purposes
only.

2756 two Pieces Irimbagom.

No. 2756. This is a very strong wood. From its hardness it requires much labor to work it up. It is heavy and sinks in water. It is very useful for building purposes and its price like that of Jungle wood, is only 3 or 4 Rs. per Candy.

Ramoony Panikar, Tahsildar of Cotteyam, Exhibitor.

2757 Eight lbs. Sandal Wood, Rs. 1-3-2.

Pulses, etc. Cultivated in Malabar as Food for Man or Beast.

Cara Bapoo, Exhibitor.

2758 Four lbs. Coffee, As. 12-8.

Anunthiyer Putter, Tahsildar of Cawaye Exhibitor.

2759 McLeod Seer. Paddy Chitaponaryen.

2760 Four Cadda.

2761 Five Kaypenny.

2762 One and three quarter Keery Pala.

2763 Four Paddy Neerkayma.

2764 Five Parakoden.

2765 One and a quarter Raja Mamy.

2766 Two Rajah Dany.

2767 Two Pieces Creeper Mara Manhil.

Fresh water fit for drinking is obtained by an incision when fresh, when dry it is also used for medicine.

Substances used in Manufacture.

Ramoony Marar, Tahsildar of Ernaad, Exhibitor.

2768 Six Pairs Horns, Bison, Rs. 6.

Anunthiyer Putter, Tahsildar of Cawaye, Exhibitor.

2769 One Pair Horns Stag, Rs. 1.

Collector of Malabar, Exhibitor.

2770 One Skin Royal Tiger, tanned, Rs. 4.

Tachrakavil Tiroomelpad, Exhibitor.

2771 Fifty lbs. Tusk, Elephant, Rs. 150.

Manjoo Comaty, Huzzoor Head Moonshee Exhibitor.

2772 One Fish.

Ramoony Marar, Tahsildar of Ernaad, Exhibitor.

2773 Two Pairs Hogs.

Arts and Manufactures.

Gold and Silver Ornaments.

Anantha Shetty Guery, Gold Smith, Exhibitor.

2774 Gold Bracelet set with seven Ferozas, seven touch, Rs. 43.

2775 do. with five Rubies, Rs. 29-8.

2776 Broach with four Pearls and one Ruby, seven touch, Rs. 23.

2777 do. Elephant, seven touch, Rs. 10.

2778 do. Pin, do. Rs. 5.

2779 Silver Braeclet, one pair, Rs. 12.

2780 do. do. do. Rs. 10.

2781 one do. Broach, Rs. 2-8.

2782 one do. do. Rs. 8.

2783 one do. do. Rs. 7.

2784 one do. do. Rs. 6.

2785 one do. do. Rs. 5.

2786 one do. do. Rs. 4-8.

2787 one do. do. Rs. 3-8.

2788 one Silver Cross, Rs. 3-8.

2789 one do. Elephant, Rs. 3-8.

2790 one do. Flower, Rs. 2-8.

2791 one do. Hair Pin, Rs. 7.

2792 one do. do. Rs. 4.

2793 one do. Needle, Rs. 1.

2794 four do. do. Rs. 2.

2795 one do. Pin set with Stones, Rs. 3.

2796 one do. Pin, Rs. 2.

2797 one do. Ram Sawmy, Rs. 4.

Callingul Choy Cootty, Moopen Huzzoor Treasurer, Exhibitor.

2798 Peshan Cutty Knife, with Gold handle, Case, Chain, Ear and Tooth Picker—Silver gilt Tongs, Thorn, Picker and Steel (Knife sharpener,) Rs. 114-4-10.

2799 Silver Rose Water Sprinkler, Rs. 21-4.

2800 Case containing the above, Rs. 3-8-4.

Brass Utensils.

Chalapoorata Eresha Menon, Tahsildar of Nedinganaad, Exhibitor.

2801 Two Chunam Cup and Spoon, As. 12.

2802 Guindy or Water Jug, As. 12.

2803 Two Oil Cups, As. 8.

2804 One pair of Tumblers with Covers, Rs. 3.

Ramoony Marar, Tahsildar of Ernaad, Exhibitor.

2805 Guindy or Water Jug, Rs. 1-0-6.

2806 Oil Cup, As. 6-6.

2807 Oorly Bason, Rs. 1-5.

2808 Sandalwood Powder Cup, As. 7.

Miscellaneous.

Ramoony Marar, Tahsildar of Ernaad, Exhibitor.

2809 Four Bow and Arrows, As. 8.

Caray Bapoo, Exhibitor.

2810 Candles, As. 12.

Pavanom Paly, Exhibitor.

2811 Candles, As. 8.

Mr. Sneliksz, Exhibitor.

2812 Coir matting or Rugs, As. 10-8.

2813 Three Pieces do. do. Rs. 1-4.

Mr. J. D'Rozario, Tahsildar of Cherical,
Exhibitor.

- 2814 Rattan Basket, large, Rs. 1.
2815 do. do. small, As. 12.
2816 Sandalwood Box inlaid with Ivory, Rs. 10.
2817 do. Card Box, Rs. 2-4.
2818 do. Paper Folder, As. 12.

Ramoony Marar, Tahsildar of Ernaad,
Exhibitor.

- 2819 Spear, Rs. 5.

Mamy, Exhibitor.

- 2820 Straw Mat, As. 10.

Paranam Paly, Exhibitor.

- 2821 Wax Tapers, Rs. 1-5-4.

Mr. J. J. D'Rozario, Tahsildar of Cherical,
German Mission, Exhibitor.

- 2822 Checked Cloth, Rs. 1.
2823 do. do. As. 14-9.
2824 Elach Cloth, black, Rs. 1.
2825 do. green, As. 14-5.
2826 Handkerchieves, Rs. 1-3-2.
2827 Peshty Cloth, As. 8, worn by Brahmins.
2828 Trowser Cloth, Rs. 1-1.
2829 do. Rs. 1-6-6.
2830 do. Rs. 1.
2831 White Drill, Rs. 1-0-9

Mr. Bassano, Tahsildar, Wynaad, Exhibitor.

- 2832 Dry Cardamum.
2833 Green do.
2834 Coffee Pea Berry.
2835 do. Flat Berry.
2836 Honey.
2837 Honey Comb.
2838 Wax.
2839 Lac.
2840 Dammer.
2841 Seed of Nceralotam Tree.
2842 Seed of Poovathan Tree.
2843 Seed of the Castor Oil Tree.
2844 Fibres, Leaf and Bark of the Kolly Tree.
2845 Branch, Leaf and Fruit of the Parree Tree.
2846 Bark of the Marapoor Tree with its Leaf and Branch.
2847 Fibres and Branch of Tronic.
2848 do. of Chatachee Tree.
2849 do. of Wypura Tree.
2850 do. of the Warnakaad Tree.
2851 Bows.
2852 Arrows.
2853 Red Clay.
2854 White Clay.
2855 Deers' Horns.
2856 Sionies Hair.
2857 Juice of the Venga Tree.
2858 One Piece of Venga Wood.
2859 Branch and Leaves of the Panchanta Tree.
2860 Kanan Chenelli.
2861 Teranoondon Paddy.
2862 Maila Kocdujan do.

- 2863 Vellakan Paddy.
2864 Narragan Vallakan do.
2865 Chenal do.
2866 Koonhy Kayoeyan do.
2867 Fibres of the Vena Tree.
2868 do. Chocra do.
2869 do. Chörakal do.
2870 do. Vellakolly do.
2871 do. Annokolly do.
2872 do. Kavool do.
2873 do. Koornandoté do.
2874 Elks Horn.
2875 Spotted Deers' Horn.
2876 Oil of the Boalans Tredor.
2877 Hog's fat.
2878 Juice of Moramanhil.
2879 Cotton Silk.
2880 Cotton.
2881 Cotton Fruit.
2882 Bison's Horns.
2883 Pynee Leaves and Fruits.
2884 Bison Horns.
2885 Poonah Fruit.
2886 Piner Gum.
2887 Shadavery Root.
2888 Pudd Wiyangoo.
2889 Kachoorom do.
2890 Deer's Horn.
2891 Pills
2892 do.
2893 Powder Bry.
2894 do.
2895 do.
2896 do.
2897 do.
2898 do.
2899 do.
2900 do.
2901 do.
2902 do.
2903 do.
2904 do.
2905 Blookcarth.
2906 Juice of Kachum.
2907 Pooly alias Pinompooly.
2908 Juice of Karaga.
2909 White Stone.
2910 Aloe Fibres.
2911 Chama a kind of Gram.
2912 Chenjaliom.
2913 Kaloowanhy.
2914 Paddy growing on the Hills.
2915 Parakaden Paddy.
2916 Coir Mats.
2917 Rattans.
2918 Cooroonthoty.
2919 Sarsaparilla.
2920 Catechu.
2921 Fish Liver Oil.
2922 Theroovathapussoh.
2923 Velayapoo.
2924 Moplal Hats.
2925 Silloor Snuff Box.
2926 Sandalwood Box.
2927 Moplal Cap.
2928 Sandalwood Card Case.
2929 Cocoanuts from the Diver Islands.

REPORT OF LOCAL COMMITTEE OF MALABAR.

DIVISION A—MINERAL KINGDOM.

2642. *Gold Dust*—is found in many of the Rivers of Malabar which take their rise in the Western Ghaut and slopes of the Neilgherries. The finest Gold Dust is washed from the sand of the Carcatode stream, rising in the Moorkoorty Peak range. It yields 95 per cent. of pure gold. In the sand of other streams of Wynaad and Nellamboor gold is found.

The common “washing” method is that pursued by the Natives, the gold being at length collected with quick-silver.

An attempt made by Government to wash Gold on public account failed, and a Committee reported unfavorably on the subject in 1833, but the rocks through which these Hill streams pass well deserve examination.

2643. *Iron Ore*.—The District is rich in iron ore, on which Mr. Beaumont of the Beypoor Iron Foundry, has furnished some valuable remarks, in 1854. A copy of this Paper appears to have been transmitted to you on the 24th June of that year.

The Talooks where this valuable article is most procurable are Walloowanaad, Ernaad, Coormenaad and Temelpour. Large quantities are collected by the Iron and Steel Company from whose Foundry, near Beypoor, the exportations of Pig Iron, &c. were

In 1854-55...	1183 Cwt...	Value Rs...	6,360
1855-56...	3584 „	„	18,790
1856 May 5240	„	„	28,170

DIVISION B—SPICES, &c.

2648. *Cardamom*.—This valuable spice of spontaneous growth of the Hills of the District, is chiefly of Wynaad, but might no doubt become a valuable Garden produce as in Canara. The revenue derivable by Government is farmed out. During the last five Fuslies (1261 to 1265) it amounted to Rs. 18,775 per annum, the renter paying the Proprietors of the Hills a moiety of the value of the article, amounting to Rupees 300 per Candy. The exports of this article during the above five years is as follows—

1261	Quantity...	2,207	Value...	1,90,645	Rs.
62	„	1,449	„	1,13,462	„
63	„	2,225	„	1,87,795	„
64	„	1,630	„	1,43,490	„
65	„	1,258	„	1,12,867	„

2651. *Cinnamon*—is chiefly the produce of Anjarakundy, a Plantation held by Mr. Brown in North Malabar, the external trade of this article seems to have fallen off; for, the average export does not exceed 200 Cwt.

2653. *Cocoanuts*—is the staple product of Malabar—the tree is cultivated in every garden in the Coast Talooks. The tax on plantation yields to the Government a revenue of upwards of 3,13,800 Rupees. The quantity of Cocoanuts exported for 5 years is shewn below,

In 1261...	No. 393,46,795	Value Rs...	5,13,292
62...	382,14,650	„	5,12,733
63...	257,44,800	„	3,36,677
64...	308,79,560	„	4,05,581
65...	251,41,372	„	3,29,072

Besides which the exports of “Coprah,” dried kernel without shell, during the last Fusly amounted to the value of Rupees 4,46,600, and of Coconut Oil from Ports of Malabar to Rupees 4,19,120.

2656. *Pepper*.—This is a staple of the District, especially parts of the Talooks of the Northern Division of Malabar. The culture is increasing, encouraged no doubt by the exemption from land

tax enjoyed. Of late years the demand for the article has likewise increased. The market price is now as high as about 100 Rupees per Candy. The Quantity exported in

1261...was...	1,09,583...Cwt.	@	8—15 ...per Cwt.	9,55,307 Rs.
62... „	1,37,037... „	„	„ „	11,12,505 „
63... „	1,02,710... „	„	„ „	8,30,909 „
64... „	99,365... „	„	„ „	8,90,708 „
65... „	1,35,875... „	„	„ „	11,88,900 „

2658. *Turnerick*—is grown of excellent quality, more or less in all parts of the District, but the traffic is not in extent what it might be—average quantity exported being 2,640 Cwt.

2659. *Arrowroot*.—The plant producing this root is not cultivated, but grows abundantly, in swampy grounds, in the interior parts of the District. The poorer class collect the root and bring it, as also the powder prepared in a rough way, to the coast markets, where the best flour is manufactured. Exports

In 1261...	11,861 Cwt...	Value	47,667	Rupces.
62...	9,590 „	„	42,373	„
63...	9,760 „	„	62,522	„
64...	4,883 „	„	32,214	„
65...	8,056 „	„	28,311	„

The above includes the portion exported in its rough state, hence the discrepancy between the quantity and value.

2660 to 2669. A great variety of Yams is cultivated in all parts of the District. They are not however articles of commerce deserving of note.

2670 to 2676. *Gums of Sorts*.—The gums of this District are not articles of Commerce, as they might be, but enquiries, such as is excited by our Exhibition,—Local and Central—will awake the attention which would be richly rewarded.

2677 to 2686 *Fibres*.—The foregoing remarks apply to these items. The Cotton exported from our Ports is the produce of Coimbatore, &c. and passing through Malabar to the Sea Port—the average value of such exportations may be stated at Rs. 2,73,670. Successful experiments were made at Palghat some years ago. There can be little doubt that many parts of the country would grow a fine Cotton.

2687 to 2693. *The Oils*—enumerated under these numbers are of rare produce. Small quantities of Castor and Poona Oils are brought from the adjoining Districts for local consumption and exportation.

2695. *Sappan Wood*.—is of common growth in the Eastern parts of the Centre Division of Malabar, and might be greatly extended. It is an article of Commerce, the Exports being.

In 1261...	3,974 Cwt...	Value...	Rs...	12,145
62...	3,717 „	„	„	10,979
63...	5,240 „	„	„	15,144
64...	2,676 „	„	„	7,541
65...	3,764 „	„	„	10,935

2696. *Beetty or Rose Wood*—The Forests in the S. E. Talooks of Malabar abound with this valuable wood—it is chiefly used for Cabinet work, for which purpose it is largely exported—the value of such exports being

In 1261.....	Rs.	44,810
62.....	„	48,616
63.....	„	51,454
64.....	„	33,670
65.....	„	48,000

2697. *Teak Wood*.—This valuable and useful wood is another staple article of external trade and large local consumption. The Bombay Government draw largely upon this District for Teak

required for use in the Dockyard, &c. The general demand is so brisk that prices have of late years risen to Rs. 1-8-7 per cubic foot. The value of the Exports may be quoted as follows :

In 1261.....	Rs. 1,63,066
62.....	2,96,364
63.....	1,70,019
64.....	1,45,960
65.....	1,72,976

Most successful operations in Teak planting were carried out by the late Mr. Conolly in the Ernaad Talook and ought to be generally extended.

2707 to 2756. The various descriptions of wood enumerated under these Nos. (Ebony, No. 92, excepted) are classed in the Tariff as "Jungle wood," some of them, such as Jack, Aynee, Benteak, Eervol, Caramaradoo, Cedar wood, are much in requisition for house building, Cabinet work, &c. Large quantities are annually exported, as shewn below.

1261 to the Value of Rs.	89,050
62.....	93,760
63.....	1,42,560
64.....	1,42,280
65.....	1,52,950

Ebony,—No. 2733 is less abundant. On an average of 5 years the value of the exports short of 5000 Rupees.

2757. *Sandal Wood*—is the produce of Mysore and Coorg, which merely passes through this District for exportation, the quantity shipped off

In 1261 was	4,865 Cwt.	Value Rs.	60,183
62 "	10,095 "	" "	1,27,684
63 "	8,370 "	" "	1,16,862
64 "	5,774 "	" "	69,647
65 "	10,170 "	" "	1,21,491

2758. *Coffee*.—The cultivation of this valuable article is rapidly increasing, especially above the Ghauts in Wynaad, &c. In 1845-46 the quantity exported was 2,375 Cwt. The average of the subsequent five years was 8,472 Cwt. and that of the following five years rose to 21,064 Cwt.

The exportations during the last five years amounted as follows:—

In 1261 to	13,723 Cwt.	Value	1,51,707 Rupees.
62 "	18,873 "	" "	1,88,784 "
63 "	33,110 "	" "	3,36,997 "
64 "	24,143 "	" "	2,70,457 "
65 "	49,754 "	" "	5,57,118 "

We regret that the early date fixed for closing the period within which articles could be received at Madras has prevented us transmitting good samples of this year's crop.

It may be proper to remark here that the value entered above is the *Tariff* value, which is much below the market price. At present there is a brisk demand for Coffee, and prices have risen to 22 Rupees the Cwt.

2759 to 2766. *Paddy*.—Various descriptions of Paddy are raised in Malabar, but the greatest portion is the common rice which is not only consumed within the District, but largely exported—the exportations—which do not however include the quantity carried away by land and backwater to the other Districts,—may be reckoned as shewn below.

In 1261.....	24,969	In Ind....	Value.....	33,773 Rupees.
62.....	17,869	" "	24,191	"
63.....	34,298	" "	58,318	"
64.....	88,253	" "	1,79,664	"
65.....	1,07,098	" "	2,02,309	"

{ A great portion of these are in ports from Canara and re-exported from our Ports.

4. Malabar has hitherto had no great traffic of articles coming under the head of "Animal Kingdom," though our forests are exceedingly rich in wild beasts. The only article

which appears to have been exported is Ivory, the average value for the last 5 years not exceeding Rs. 5,500 at Tariff value of Rupees 120 per Cwt.

5. The Elephants taken in the Malabar jungles are of a particularly large and hardy breed.

6. The same observation applies to "Arts and Manufacture" of every description, samples of these articles are however submitted.

MANGALORE.

Mr. P. Proboo, Exhibitor.

MEDICINAL SUBSTANCES.

- 6967 Hollay Honay Oil Used for rhematic pain externally Rs. 2 a bottle.
- 6968 Nannel Marana Oil Used externally to the head, for cooling the eyes Rs. 1-4 a bottle.
- 6969 Cannje do. do. Used externally for venereal sores Rs. 2-4.
- 6970 Countell Kay do. Used externally for Itch Rs. 2-8.
- 6971 Kautthonay kay do. Used externally for rheumatic pains As. 10
- 6972 Balleena do. do. Used externally for chronic sores Rs. 1-4.
- 6973 Hebha havina do. Used externally for lepra and for wounds Rs. 4-8.
- 6974 Egg do. Used externally for children in convulsions As. 8.
- 6975 Thakottay kay juice Used externally for rheumatic pains Rs. 1 8.
- 6976 Jenglee Hebalsoo do. Used for do. Rs. 1-6.
- 6977 Deers Card Used externally for scolds and burns Rs. 2.
- 6978 Hogs do. Used internally for Cattle Rs. 1-8.
- 6979 Neervatty Marada oil Used internally for lepra Rs. 3.
- 980 Carcemkody bolly juice Used internally for cattle when they have cough As. 12.
- 6981 Gurgass Marada do. Used externally for mortified sores of cattle As. 14.
- 6982 Neerveess root Used internally and externally for venomous serpent Cites As. 12.
- 6983 Sarsaparilla do. As. 2.
- 6984 Do. powder Rs. 4.
- 6985 Maramanjela twig As. 8.
- 6986 Ambroothooly powder Rs. 1-4.
- 6987 Cambly pessina juice Used externally for head ache Rs. 1-4.
- 6988 Carnadth Marada eark and leaves Used in water for killing fish As. 12.
- 6989 Chokeel avre plant Used for softening the leather skins by mixing this in water As. 10.
- 6990 Addootheenathoo pallay bark As. 3
- 6991 Caroovalam kathay bark Used for strengthening the teeth As. 11.
- 6992 Chithroo Moolloo plant Used internally in Canjee for bites of mad dogs As. 8.
- 6993 Moorgana oil Used externally for scolds and burns Rs. 1.
- 6994 Wax do. Used externally for rheumatic pains Rs. 12.
- 6995 Fish liver do. Rs. 1.
- 6996 Contents of the stomach of Moolloo Hundy Used internally for worms and colic pains Rs. 4.

- 6997 Juice of Injee twig Used internally for Asthma Rs. 1.
- 6998 Rice chocked on the contents or goll of Fervole fish Used internally for worms and colic pains Rs. 2.
- 6999 Juice of Punumboo twig Used internally for cattle sore throat Rs. 1.
- 7000 Cand Manoosha Given internally for the small pox to abate its severity Rs. 1.
- 7001 Thakotteh seed oil Used externally rheumatic pains Rs. 2.
- 7002 Beellee root and leaves Used internally and externally mixed with bellum puttcharrach at the commencement of liver complaint Rs. 1.
- 7003 Eettighe root and leaves Used internally for diarrhoea As. 1.
- 7004 White Neerviss root and leaves Used internally for Cholera and convulsion Rs. 1.
- 7005 Pachottyor Sootticandy, Used externally for scrophulous swelling and internally for liver complaint As. 4.
- 7006 Eknaika root Used internally for diabetes Rs. 1-8.
- 7007 Tera Japponica tree This is to be mixed up with the above medicine for the above disease As. 8.
- 7008 Red root Used for liver complaint As. 3.

OIL AND SEEDS OF DIFFERENT SORTS.

- 7009 Cocoonut oil As. 8.
- 7010 Gingelly do As. 8.
- 7011 Caster do As. 8.
- 7012 Vegetable Tallow Rs. 1-4.
- 7013 Ardall M. oil or Gambolle oil Rs. 20.
- 7014 Wood do. As. 12.
- 7015 Nagasarnpighe oil Rs. 1.
- 7016 Soorteh do. As. 8.
- 7017 Nagasarnpighe fruit As. 9.
- 7018 Caster seeds As. 2.
- 7018½ Gingelly do. As. 1-6.
- 7019 Wild Castor oil As. 4.
- 7020 Sandalwood do. Rs. 3.

JUICE AND WATERS DRAWN FROM DIFFERENT KINDS OF TREES.

- 7021 Ardall trees juice or Gamboge Rs. 10
- 7022 Mathoo trees juice As. 8.
- 7023 Poolloolly do. do. As. 12.
- 7024 Bengha do. do. Rs. 1.
- 7025 Mud oil As. 8.
- 7026 Bears Beard Rs. 1.

GUM AND FIBRES.

- 7027 Vegetablegum 1st sort used for damer Rs. 1.
- 7028 Do. 2nd sort do do As. 11.

MANGALORE.

7029	Do.	3rd sort do do	As. 10.
7030	Do.	4th sort do do	As. 8.
7031	Doopadah	juice or Chendrassa Used for varnish	As. 8.
7032	Doopada	tree milk Used with Bees wax for candles	Rs. 5.
7033	Sealing	wax	As. 8.
7034	Mathy	trees juice	As. 2.
7035	Googulla	Used as incense by Hin- doo	Rs. 3-8.
7036	Pineapple	Fibre	Rs. 2-8.
7037	Wild	do.	Rs. 2.
7038	Plantain	do.	As. 12.
7039	Coorondotty	do.	Rs. 1-4.
7040	Oar	plant do.	Rs. 1 8.
7041	Anneh	kethada munjee	Rs. 2-8.
7042	Poolly	Manjee do	Rs. 4-8.
7043	Cheleh	trees do	Rs. 2.
7044	Bendeh	do	As. 15.
7045	Wild Bendeh	do	As. 10.
7046	Do.	Plantain do	As. 2.
7047	Mullaly	do.	As. 12.
7048	Keony	plant do.	As. 12.
7049	Punnumboo	do.	As. 12.
7050	Bhotha	annanas do.	Rs. 1.
7051	Chedeh	do.	Rs. 1-8.
7052	Anneethwa	do.	Rs. 2 8.
7053	Bark of	Gujeh do	Rs. 1-12.
7054	Annehvarjee	Fibre	Rs. 2.
7055	Coir	rope	As. 8.
7056	Lose	coir or cocoanut fibre	P. 1.

REFRESHING DRINKS AND LIQUOR.

7057	Ratan	juice	As. 8.
7058	Fig	trees do.	As. 8.
7059	North	twig do.	As. 8.
7060	Oolleenjeel	do.	As. 8.
7061	Cajoo	fruits arrack Used externally for Rheumatic pains	As. 4.
7062	Vinegar	from Byne tree	As. 3.
7063	Vellumpatteh	arrack	As. 4.

FLOUR AND GRAINS.

7064	Topeco	prepared from flour pre- pared in cold water	As. 6.
7065	Do.	flour	As. 3.
7066	Do.	Yam	P. 6.
7067	Arrow	root	As. 3.
7068	Bynee	flour	As. 3.
7069	Palmira	do.	As. 4.
7070	Muskathy	rice&pady 1st sort	Rs. 2-10
7071	Do.	do. 2nd sort	Rs. 3-4.
7072	Jeera	rice and pady 1st sort	Rs. 3-8.
7073	Do.	do. 2nd sort	Rs. 2 2.
7074	Cullemh	rice and pady 1st sort	Rs. 2-2.
7075	Do.	do. 2nd sort	As. 2.
7076	Ked Culmeh	rice and pady 1st sort	Rs. 2-2.
7077	Yelep	Jeerah rice	Rs. 2 10.
7078	Kinibith	rice and pady	Rs. 2-4.
7079	Soongull	do do	Rs. 2-4.
7080	Hurry	pady and pady rice	Rs. 2.
7081	Embadeh	do. do.	Rs. 2-1.
7082	Sheneh	do do 1st sort	As. 2.

7083	Do.	do do 2nd sort	As. 1-6.
7084	Culmeh	rice 3rd sort	Rs. 2-1-6.
7085	Soomsahle	pady	Rs. 2 3.
7086	Jollah	As. 1.	
7087	Raghy	P. 9.	
7088	Nannoomeh	As. 2.	
7089	Moolloo	Nannoomeh	As. 1-6.
7090	Do.	2nd sort	As. 1.
7091	Black	Jollah	As. 1.
7092	Carrytheneh	rice	As. 1-6.
7093	Volletheneh	do black	As. 1 2.
7094	Jevina	do	As. 2.
7095	Volletheneh	do white	As. 3.
7096	White	Nannoomeh	As. 1-6.
7097	Kand arve	sapos	As. 1.
7098	Coffee	Rs. 6 per maund.	
7099	Pepper	As. 5.	

SUNDRIES.

7100	Poovathum	trees leaves in Paper.	
7101	Maramanjela.		
7102	Vetty.		
7103	Woodocooroo	twig do.	
7104	Wild	Hebalsoo tree.	
7105	Hollay	Honay trees leaves.	
7106	Huldy	Hoovina plant.	
7107	Pooleany	twigs leaves	
7108	Beelly	Hoovina plant.	
7109	Fig	trees leaves.	
7110	Oolleenhada	twig leaves.	
7111	Kand	Sasmeh plant.	
7112	Enho	twig leaves.	
7113	Panamboo	do do.	
7114	Sunnah	Pulleh leaves	
7115	Namada	plant do	
7116	Pollacayee	twig ditto	
7117	Nunjoody	leaves	
7118	Wathumcolly	plant	
7119	Warrycoomutty	twig	
7120	Cupectwa	leave	
7121	Mullemcaca	plant leaves	
7122	Poorunchooroo	ditto	
7123	Ooja	Nayeeppallea ditto	
7124	Kand	Avreh ditto	
7125	Burumcody	ditto	
7126	Oorgah	plant ditto	
7127	Edumbery	valum ditto	
7128	Cumbly	peessina tree do	
7129	Ratan	ditto	
7130	Keelmakkee	yam	As. 2
7131	Chalogue	ditto	As. 2-6
7132	Ditto	ditto white	As. 1
7133	Country	fashionable cups	Rs. 1-8
7134	Soogly	pady Rs. 2 to be used as a congee with the medicine men- tioned in No. 7006.	
7135	Wethileavolly	yam	As. 1
7136	Wonna	Quillong ditto	As. 1-6
7137	Perra	Quillong ditto	Ps. 6
7138	Nareh	ditto ditto	As. 1
7139	Gold	sand	Ps. 9
7140	Iron	dust	As. 1
7141	Bettel	nuts	As. 12
7142	Cinnamon	hask	As. 8
7143	Ghepalah	seeds	As. 4
7143	Fish	liver oil	As. 12

MANGALORE.

German Mission at Mangalore, Exhibitor.

Mr. Haller, Manufacturer.

CLOTHS.

- 7144 Damash Table Cloth 7½ square Rs. 5
- 7145 Diamond Table Cover 7½ do Rs. 5-12
- 7146 Do do Cloth 5½ by 9 feet
As. 8.
- 7147 Bathing Towel 3 yards square As. 7-4.

- 7148 Diamond Napkin 1½ yards square
As. 3-3
- 7149 Red Handkerchief 1½ yards square
As. 9
- 7150 Sheree red with silk border Rs. 6-3
- 7151 Do Blue Rs. 6-8
- 7152 Do red with heavy silk Rs. 16
- 7153 Dothra Rs. 1-1½
- 7154 Do do Rs. 3
- 7155 Turband Rs. 5
- 7156 Grinding Stone Rs. 2-3

MASULIPATAM.

Local Committee Exhibitors.

GRAINS.

3924	One bag	Davandrubogaloo Rice
3925	Do.	Boodamaloo
3926	Do.	Coosamaloo
3927	Do.	Raujavaloo
3928	Do.	White Paddy
3929	Do.	Arla Paddy
3930	Do.	Bungaroo tegaloo
3931	Do.	Cunetasarloo
3932	Do.	Ramasagaraloo
3933	Do.	Pothoogunt;
3934	Do.	Srastakapoo
3935	Do.	Ankoosavaloo
3936	Do.	Guntaloo
3937	Do.	Varagaloo
3938	Do.	Horse gram
3939	Do.	Spiked Millet or Sujjaloo.

Copoolah Sectiah Naidoo, Exhibitor.

3940	One bag	Bamboo seeds.
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Local Committee Exhibitors.

PULSES.

3941	One bag	Green gram
3942	Do.	Black Gram
3943	Do.	Dolichos eatiang or alsun- daloo
3944	Do.	Do. black or Cauramooloo
3945	Do.	Common Peas
3946	Do.	White Gingelly seeds
3947	Do.	Raggy
3948	Do.	Wheat
3949	Do.	Bengal Gram
3950	Do.	Coriander seeds
3951	Do.	Black Gingelly seeds
3952	Do.	Castor seeds or Aumoo- daloo.
3953	Do.	Do. small or Chitlamoodaloo
3954	Do.	White javaloo
3955	Do.	Moka jonaloo
3956	Do.	Red Mokajonaloo
3957	Do.	Pegion Pea red
3958	Do.	Pegion Pea white
3959	Do.	Rosselle seeds
3960	Do.	Green Gram
3961	Do.	Gallnut (raw)
3962	Do.	Turmeric
3963	Do.	Tobacco

G. Ramiah Gauroo, Exhibitor.

TANNING SUBSTANCES.

3964	Divi Divi	Casalpinia Coriaria
	Chaff of	Cheroogoodde tree.

Local Committee, Exhibitors.

MINERAL KINGDOM.

3965	Bag	Red Limestone
3966	Do.	White Limestone
3967	Do.	Pipe clay
3968	Do.	Silicious felspar
3969	Do.	Iron ores 2 kinds
3970	Do.	Iron refined
3971	Do.	Marble stone
3972	Do.	Talc
3973	Do.	Common silicious felspar
3974	Do.	Common Quartz white
3975	Do.	Leaden Ore
3976	Do.	Graphic Granite
3977	Do.	Garnets rough
3978	Do.	Saphir Crystal
3979	Do.	Emery red and black
3980	Do.	Chaleedony
3981	Do.	Silicious Crystal
3982	Do.	Milky Quartz
3983	Do.	Rock Crystal
3984	Do.	Iron Ore another kind.

D. Vencatanurasinga Row, Exhibitor.

GUMS SERIES.

3985	One Packet of	Jegata trees
3986	One Do.	Mogelee trees
3987	One Do.	Munchepaula trees
3988	One Do.	Gunnaroopala trees
3989	One Do.	Barunkee trees
3990	One Do.	Munchemadee trees
3991	One Do.	Oopepala trees
3992	One Do.	Wood Apple trees
3993	One Do.	Thadlapalea trees
3994	One Do.	Margosa trees
3995	One Do.	Lac Shell
3996	One Do.	Aukoojawoodoo paulos.

MEDICINAL SUBSTANCES.

3997	One Packet	Rautoory Checcah
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MASULIPATAM.

- 3997 ¹/₂ One Packet Rachasee molataty
- 3997 ³/₄ One Do. Chooreegee Checcah
- 3998 One Do. Davadary Checcah
- 3999 One Do. Nulla Bulsoo Checcah
- 4000 One Do. Ginnee Checcah
- 4001 One Do. Corinda Checcah
- 4002 One Do. Mootchatoonegee Checcah
- 4003 One Do. Coramaunoo Checcah
- 4004 One Do. Wooroogoo Checcah
- 4005 One Do. Nulla Oopee Checcah
- 4006 One Do. Boorooga Checcah
- 4007 One Do. Cheroogoody
- 4008 One Do. Nulla Ragoo Checcah
- 4009 One Do. Rala Checcah
- 4010 One Do. Muddy Checcah
- 4011 One Do. Boorooga Checca
- 4012 One Do. Barra Dodeelem Checcah
- 4013 One Do. Tungadoo Checcah
- 4014 One Do. Hemp
- 4015 One Do. Cotton White.

C Puttanah, Moochy, Exhibitor.

TOYS OF DIFFERENT CASTES.

- 4016 One set of Toys Palkee and Bearers Rs. 12.
- 4017 One Do. do Cutcherry Rs. 28.
- 4018 One Do. do Dinner party Rs. 3.
- 4019 One Do. do Nautch
- 4020 One Do. do Guard of sepoys Rs. 10.
- 4021 One Do. do 48 different Figures Rs. 20.
- 4022 One set of Toys.
- 4023 One Do. do
- 4024 One Do. do
- 4025 One Do. do
- 4026 One Do. do
- 4027 One Do. do
- 4028 One Do. do
- 4029 One Do. do Custard Apple with a turtle Compass.

V. Huhoomajee, Row, Exhibitor.

ANIMAL KINGDOM.

- 4030 One Pint Bottle of Chadoo Purgal fish Oil
- 4031 ¹/₂ Do. do Valaga fish Oil
- 4032 ¹/₂ Do. do Coawandoo fish Oil
- 4033 One Do. do Massoo fish Oil
- 4034 One Do. do Bochee fish Oil
- 4035 One Do. do Goodee fish Oil.

Thalethala, Paupanah, Exhibitor.

OILS SERIES.

- 4036 One Pint Cocoonut Oil Rs. 2-6.
- 4037 One Do. Gingelly Oil As. 2.

J Fraser, Esquire, Exhibitor.

MINERAL KINGDOM.

- 4038 One Bag white salt.

Major J. A. Gunthorpe, Exhibitor.

DRAWINGS OR MODELS OF GARDEN IMPLEMENTS AND TOOLS.

- 4039 Mamooty
- 4040 Pick Axe
- 4041 Bill Hook
- 4042 Gabison knife
- 4043 Sapper knife.

Major J. A. Gunthorpe, Exhibitor.

- 4044 Short knife
- 4045 Claw Hammer with 4 Bits
- 4046 Iron wrench for nuts.

Major J. A. Gunthorpe, Exhibitor.

- 4047 Two B. Fifes in wood.

Major J. A. Gunthorpe, Exhibitor.

CUTTER EDGE AND HAND TOOLS.

- 4048 Six gunblets of sizes
- 4049 One Brace wooden Carpenter
- 4050 One Hand Vice.

D. Venkata Nursinga, Row, Exhibitor.

- 4051 One Jungle Cock
- 4052 One Great Owl
- 4053 One Civet
- 4054 One Mongoose
- 4055 One Copper Crow
- 4056 One Black Crow
- 4057 One Hare
- 4058 One Fox
- 4059 Two Guana Skins
- 4060 One Minah Common
- 4061 One Hawk
- 4062 One Water Fowl.

V. Nursigaudoo and P. Cotadoo Exhibitors

- 4063 Two Rats White

MASULIPATAM.

D. Vencatanarasinga Row, Exhibitor.

STUFFED ANIMALS AND BIRDS.

- 4064 One Partridge
- 4065 One Common Snipe
- 4066 One Dove Common
- 4067 Two Rats Black
- 4068 One Squirrel
- 4069 One King Crow
- 4070 One Thrush

HORNS.

- 4071 One Spotted Deer

Local Committee Exhibitors.

- 4072 One Monkey
- 4073 One Porcupine.

J. Fraser Esquire, Exhibitor.

- 4074 One Elk.

Bundy Doss, Exhibitor.

- 4075 Three Luckmook Petaloo As. 7.

V. Nursegaoodoo and P. Catadoo Exhibitors.

- 4076 One Hides Bullock.

J. J. Cotton Esq., Exhibitor.

- 4077 Three Bear Skins.

Lieut. B. A. Moorell, Exhibitor.

- 4078 Jay stuffed.

J. J. Cotton Esquire, Exhibitor.

CORDAGE.

- 4079 Four Ropes made from Aloes Fibres
- 4080 One Rope made from Flax
- 4081 One Rope made from Palmira fibres
- 4082 One Rope Tarred made from fibres aloes.

Local Committee, Exhibitors.

CORDAGE.

- 4083 One Rope from Boustring Hemp

- 4084 One Rope from Benda
- 4085 One Do. from Umbarry
- 4086 One Do. from Henp
- 4087 One Do. from Yerkum
- 4088 One Do. from Franse
- 4089 One Do. from Moothoomoolooko
- 4090 One Do. from Madabeleme
- 4091 One Do. from Welthoo
- 4092 One Do. from Apee
- 4093 One Do. from Jonee
- 4094 One Do. from Aree
- 4095 One Do. from Palakee
- 4096 One Do. from Thalasee
- 4096 One Do. from Navale

M. Vencata Reddy, Exhibitor.

NATIVE MACHINES FOR MAKING CORDAGE AND ROPES.

- 4097 One Loom set

Vencata Reddy, Exhibitor.

- 4098 Two Black Cumblies 6-8.
- 4099 Twenty-five Dagalaws of different sorts of chintzes Rs. 8.
- 4100 Five shalaloo of different of sorts of chintzes Rs. 9.

Age Mendee Saib, Exhibitor.

PRINTED CALCOLIES.

- 4101 One Durphurtha As. 5.
- 4102 One Soodamy Rs. 7.
- 4103 One Palanypore Rs. 8.
- 4104 Booksha Rs. 9.
- 4105 One Canpose Rs. 6-8

Moochy Kistnamah, Exhibitor.

- 4106 Two Leather Condapilly Boxes Rs. 7.

Aga Ismael Saib, Exhibitor.

- 4107 One Palampore Cotton Rs. 22.

Midda Narsingum Exhibitor.

- 4108 Four Pairs Handkerchieves Rs. 2.

MASULIPATAM.

Jumpa Mookoondoo, Exhibitor.

4109 One Hand Stick As. 4.

Aga Ismael Saib, Exhibitor.

4110 One Lacquered pen and ink holder
Rs. 2.

P. Parthasarady Naidoo, Exhibitor.

4111 Four Gingham Rs. 2.

4112 Palampore representing the Hindoo
history of Rama Rs. 12.

P. Basavanah, Exhibitor.

EMBROIDERY.

4113 Swallow tailed Cotton Flag, wove
with a selvage edge all round Rs. 3.

S. Nummiah Naidoo, Exhibitor.

4114 Ellore Patent Tapestry Rugs. Rs.
36 9-5

4115 One do do do do Rs.
30-3-2.

A. Sashiah Gauroo, Exhibitor.

4116 One Ellore Patent Tapestry Rugs
Rs. 20-8-1.

Jaffer Saib, Exhibitor.

4117 One Elloro Patent Tapestry Rugs
Rs. 5-8.

Syed Hoossain, Exhibitor.

4118 One Ellore Patent Tapestry Rugs
Rs. 5-4

Aga Ismael Saib, Exhibitor.

4119 Palampore with Golden Ornaments
Rs. 117.

Codavale Paroya, Exhibitor.

SKINS.

4120 Three Goats tanned and dyed Red
Colour As. 12 each.

4121 Two Do Black Do. As. 2 each

4122 Two Do Pale yellow As. 12 each

4123 Two Do Buff Rs. 1-8.

4124 Two Do Purple As. 12 each

4125 Two Do Yellow As. 8 each

4125½ Two Do tanned dark Green
Colour As. 12.

V. Nursegaudoo & P. Cotadoo, Exhibitors.

4126 One Kid Tanned Red Colour As. 2.

4127 Five Kids with hair Rs. 1-1.

4128 Two Goats tanned white colour
As. 4 each.

BOOTS AND SHOES.

4129 Two Pairs Leather Boots Rs. 4.

4130 Two Do. Shoes Rs. 2.

C. Ramasawmy Gauroo, Exhibitor.

4131 One Bell Metal Rs. 12.

Rajah Bommiadavara Naganah, Exhibitor.

4132 One Rose fountain.

D. Veerasalingum Moochy, Exhibitor.

BOOK BINDING.

4133 Two Blank Note Books Rs. 2.

J. Fraser Esq., Exhibitor.

4134 One Box containing a Pair of
Toasting forks.

J. J. Cotton Esq., Exhibitor.

HORNS.

4135 One (Burmese) Dhararti carved
Ivory handle

4136 One Burmese Elephants Tusk carv-
ed and once guilt.

MASULIPATAM.

V. Soobiah, Silver Smith, Exhibitor.

WORKS IN PRECIOUS METALS, JEWELLERY, &c.

4137 One Silver Venagreat Rs. 12.

K. Nagabhooshanum, Exhibitor.

4138 One Silver Ancient rupee.

C. Ramasawmy Gauroo, Exhibitor.

4139 Eight Ancient Copper Coins.

D. Vencatanarasinga Row, Exhibitor.

INDIAN PLANTS YIELDING FIBRES.

4140	Franse	Shrub
4141	Palakeo	do
4142	Walthoo	do
4143	Aree	do
4144	Loyaegoo	do
4145	Googillapoo	do
4146	Moodoogoo	do
4147	Cooneegeee	do
4148	Tadah	do
4149	Aree	do
4150	Navalee	do
4151	Janny	do
4152	Chilkadoodega	do
4153	Booda durmee	do
4154	Talsee	do

Vencata Reddy, Exhibitor.

4155 Janapah shrub.

J. Fraser, Esq. Exhibitor.

4156	Refuse of the Fibre called Franse	Nar Madabulmepar.
4157	One Do. of Boodoothremy	
4158	One Do. of Loyegoo	
4159	One Do. of Apee	
4160	One Do. Cooperee Gadeo	
4161	One Arwaddillo	
4162	One Ratary Machine for cleaning	cotton.
4163	One Spinning wheel	
4164	One Bag Tusks of wild Hog	
4165	One Do. of Porcupine	

Col. J. J. Cotton, Esq., Exhibitor.

WEIGHING, MEASURING AND REGISTERING

MACHINES.

4166	Steel yard Standard Support
4167	Do Do Pauls
4168	Platform
4169	Pegs for the support of steel yard
	beam
4170	Steel yard Tongue or tell tale
	Dance.
4171	Steelyard minor weight to determine
	ounce and pounds constant weight
4172	Steel yard Main hook.
4173	Platform scale

C. Veerasalingum, Exhibitor.

4174 Model of a Bangalow made of paste
board Rs. 100

Joffer Syed Cossim, Exhibitor,

4175	Rugor Carpet Rs. 5-8.
4176	Rug

J. J. Cotton, Esq., Exhibitor.

4177 Specimens of Ornamental Turnings

Vagoo Survasa, Exhibitor.

PORCELAIN AND EARTHEN WARE.

4178	One Model of Pumpkin.
4179	Four Stags Horns
4180	Do Do Small
4181	Feathers one
4182	Do. do As. 3.
4183	Do. Rs. 1 3-6.

Kistnamah Moochy, Exhibitor.

4184	A Model of the Rock and Fort of	Condapilly constructed in wood
		Rs. 150.
4185	One Model of a house containing	many Toys
4186	Specimens from the Lithographic	stone.

SAMPLES OF CORDAGE MADE BY HAND IN THE
MASULIPATAM JAIL, OF VARIOUS FIBRES.

4187 Camp Chair.

MASULIPATAM.

J J Cotton, Esq. Exhibitor.

DRAWINGS.

Of *Wind Mill* for common use in this country, with self adjusting wind shutters and sails.

Of *Log Wheel* showing a proposed improved method for their manufacture as adapted more especially for this country.

Of equisetral improved American Carriage of simple construction, in much use in Colombo, Ceylon.

Case and frame of Platform scale on 5 feet (one near centre and the other at 4 corners.)

Steel yard Beam and scale.

Four side pieces of do

"Support" for main beam of do.

One "constant weight (27½ lbs.) for do.

SPECIMENS OF ORNAMENTAL TURNINGS.

- 4172 { One Vase Ivory
- { One Ring stand do.
- { One Box do. with dyedwood centre
- { One Paper weight Ivory
- { One Tazza Ivory with wood pedestal
- { One Ebony box

BELONGING TO STEEL YARD.

- 4173 { Steel yard Chain for scale
- { A Chain in 4 lengths
- { A main beam hook
- { Traversing beam for constant weight
- { Wooden Press for the "support" of the beams

BELONGING TO PLATFORM SCALE.

- 4174 { Standard pillar
- { Index rod
- { Connecting rod
- { Two 1 lb brass weights
- { One 4 oz. do.
- { One hook (4 oz. for the above "constant weights")
- { Trimming weight and slide (wire)
- { Screws &c.

Local Committee, Exhibitors.

- 8844 Indian corn 2 kinds Red and white
- 8845 Great Millet 2 kinds yellow and white.

D. Vencatanurasinga Row, Exhibitor.

TIMBER AND FANCY WOODS.

- 8846 Bootankooshum currah.
- 8847 Billoodoo currah.
- 8848 Tedlapala currah.

V. Vencata Row Puntooloo Exhibitor.

- 8849 Array currah.

V. Vencatanurasinga Row, Exhibitor.

- 8850 Tookee currah.

V. Vencata Row Puntooloo Exhibitor.

- 8851 Goompiny currah.
- 8852 Goomeedee currah.

D. Vencatanurasinga Row, Exhibitor.

- 8853 Toda currah.
- 8854 Wuddee currah.
- 8855 Teak wood.
- 8856 Weltoory currah.
- 8857 Cheroomaunoo currah.
- 8858 Jiitasy currah.
- 8859 Peddavasee currah.
- 8860 Chanda currah.
- 8861 Bundaroo currah.
- 8862 Koreevee currah.

Agi Emendi Sahib, Exhibitor.

SHELLS OF DIFFERENT SORTS, VIZ.

- 8863 Goal Bunnush Rs. 9.
- 8864 Bundoosoosane Rs. 8.
- 8865 Sagool valeja chaya Rs. 12.
- 8866 Iamarud Binga valija Rs. 9.
- 8867 Nausoo Bootadar collunkary Rs. 10.
- 8868 Doozem Bootadar Rs. 4.
- 8869 Beyem Bootadar Rs. 4.
- 8870 Rajakhema Bundie Rs. 5.
- 8871 Goolbunnush Raja Kakaneyr Rs. 4.
- 8872 Mans Mauder Butcha Boota Rs. 6.
- 8873 Maya Poosh veleja Rs. 6-8.
- 8874 Jameeu Abeena Soothor Boota Rs. 6.
- 8875 Bunnush Bungavalijal Rs. 5-8.
- 8876 Boota khana Bundie Rs. 4.
- 8877 Mooshel khaua Bundie Goolabee Rs. 4.
- 8878 Khana Bundie Rs. 5.
- 8879 Kollemkhur Bootadur Rs. 5.
- 8880 Baledar Boota Ambercha Rs. 5.
- 8881 Goolabee Ubberkhana Rs. 4.
- 8882 Raja Goolbunnush valeja Rs. 4.
- 8883 Baidar Boota Ubbee Khana Rs. 5.
- 8884 Ubbe Kakany Rs. 5.

MASULIPATAM.

- 8885 Gool soorack kotha khaul Bundie Rs. 5.
 8886 Boota Ubbeekhal Rs. 4.
 8887 Soodarush khana Bundie Goolabee Rs. 4.
 8888 Boota Chinthokey Rs. 4.
 8889 Ake Goolkhana Bundie Rs. 5.
 8890 Bunnush Maya Poosh volejal Rs. 6.
 8891 Raja Binga voleja Rs. 5.
 8892 Boota Dar Rs. 4.

Aga Esmael Sahib, Exhibitor.

ARTICLES OF CURIOSITY.

- 8893 Ink stand of wood Rs. 2.

Pitcheka Moosalee, Exhibitor.

- 8894 Gingham or Checks Rs. 2.

J. J. Cotton, Esquire, Exhibitor.

HYDRAULIC MACHINES, MODELS OR DRAWINGS.

- 8895 Equirotal American Carriage.
 8896 Wind Mill for bruising crushing "copra".
 8897 Cog wheel.

EXPLANATION OF THE DRAWINGS OF "IMPROVED SECTION COG WHEEL", BY MR. J. J. COTTON.

As it is often of great importance as well as of necessity to have much of the Machinery of Mill work, particularly in this country, made of wood, for facility of repairs, &c., I venture to suggest the following plan for the construction of wooden Cog Wheels.

The rim of these is usually made of cast iron in a single casting, and many difficulties present themselves in making moulds with sufficient accuracy and correctness, to obviate these, I propose that

The entire rims of such wheels should be cast in double or two *Sections* of $\frac{1}{4}$, $\frac{1}{2}$, or even the whole circumference required, according to size and convenience of carriage subsequently, or other causes.

The *Sections* of each wheel should all be made of one pattern so that they may be adapted to and should fit any other similar portion of the same wheel. The Joints of one Section should directly intersect the segment above, at the centre of that Section and vice versa all round the wheel; the spaces, for the insertion of the cogs being correspondent with each other. The shoulders or shoe for carrying the spokes or arms of the wheel should be made with a similar view of fitting over one another in the several "*Sections*"

B. Bhaarasauray, Exhibitor.

- 8898 Engravings "The stag" Rs. 25
 8899 Engravings "Le Toucher" Rs. 50

D. Vencatanursinga Row, Exhibitor.

- 8900 Poosooka cheecah.

Aga Esmael Sahib, Exhibitor.

- 8901 Palempore Printed Rs. 22.

Major J. A. Gunthorpe, Exhibitor.

MISCELLANEOUS MANUFACTURES.

- 8902 Models Figures of the different castes of India made at condapilly Rs. 150.

Rajah B. Naganah Naidoo, Exhibitor.

- 8903 Model of an upstairs Bungalow with Figures representing a party of Gentlemen and Ladies.

MASULIPATAM.

when properly joined together ; holes should be drilled for bolts at certain fixed distances through the rims of the "Sections" also corresponding with one another. The axle may be constructed of either plate and angle iron, or of wood with iron clamps.

The above when carefully and firmly screw-bolted together, with the radii fixed and adjusted, would I imagine, prove equally efficacious with the wheels now commonly in use.

The advantages offered by the above plan are, first, the greater facility of making the patterns in dividing off the "spaces" as well as sockets for the cogs, secondly, the greater facility in making the moulds therefrom for the castings, and thirdly, the economy which would follow in the event of any accidents occurring to any portion of the wheel, which might here be replaced at a fraction of the cost of a new Wheel.

Those at a distance from Foundries, &c., would find it of much advantage to have a spare "Section" of such Wheels on hand, when ordering sets for Machinery.

J. J. COTTON.

Masulipatam, 15th January 1857.

DESCRIPTION OF EQUIROTAL IMPROVED AMERICAN CARRIAGE IN USE IN CEYLON.

Height of wheels 4 feet and $5\frac{1}{2}$ feet a part distance between fore and hind wheels 6 inches

Length of seats.	34 (inches)
Width Do.	19 (back)
"	18 (front)
Serch.	$4\frac{1}{2}$ (feet)

One single grass hopper spring $3\frac{1}{2}$ feet long is fixed by centre blocks in front and the same behind on the axles.

1. The body is made entirely of 3 pieces of angle irons, one on each side and one in the centre, of the shape marked A A A A with the necessary cross bars and hand rails.

The hood is made in the same way of three single pieces of angle iron H H H with cross bars at each end, and one in the centre 3 feet 4 high in the clear and is covered, as far as shown with white, or sky blue, painted canvas D D D the whole attached by screws and nuts to the body, and removable at pleasure.

3. The Wheels are constructed of the lightest wood compatible with strength.

2. B is a "tie bar," in the centre only.

3. C Under the 3 hind seat is a small box or boat, of wood.

4. The angle iron frame work is rattaned at the back of the seats, the part marked E is made also of 3 angle iron rings rattaned all round, being hollow in the centre.

5. Either one or two horses, are used.

4. The shafts or pole are attached at once to the fore axle, by a very short splinter bar.

5. In getting in or out of the front seat it is necessary to move the wheels on one side, to enable the individual to mount by the steps.

6. It is an exceedingly light, airy, and comfortable conveyance, over any kind of road and if properly put together, is exceedingly strong and lasting.

J. J. COTTON,

Masulipatam, January 15th 1857.

MEMORANDUM, AND DESCRIPTION OF WINDMILL WITH SELF- ADJUSTING SAILS, &c., &c.

The great object in view in constructing any Machinery for this country, should be *simplicity* in all its details; and consequent facility in both its manufacture in the first place, and repairs on the spot when necessary, in the second.

There should be as little iron work about the whole as possible, except what can be readily manufactured here. I suggest therefore, that all the driving and other Cog Wheels employed in the Mill, should have wooden cogs, and be made on the principle shown in the "Improved Section Cog Wheel."

The size and dimensions of the Windmill must depend on the nature of the work required to be performed, and the materials procurable. The construction of it should be left to those conversant in the matter. The *great* want in Madras at present is, in my opinion, a competent Millwright; though by the aid of works treating of the subject, there should not be any great difficulty in erecting a Windmill, with its whips, &c., at the proper angle laid down.

The difficulty with regard to wind power has been in regulating its extent. The self-adjusting fans, shown in the accompanying drawings, I find are of very old invention, but from their simplicity, I believe they are more adapted to the wants of India, and more easily constructed and eventually repaired, than those of a more complicated nature in use in Europe. For the same reason, I advocate the rack and pinion for moving round the cap of the Mill, in preference to the self-acting Machinery, which possibly might get out of order, without the means being at hand to repair it; and the simplest kind of "break" I would recommend that, in connection with a weather cock on the top of the cap, there should be a corresponding index inside, to show in what direction to move the cap, by means of the rack and pinion, to set the arms of the Mill in the correct direction, with the wind.

With regard to the self adjusting whips. The surface exposed occupies, as will be seen on reference to the drawing, a certain but differing expanse across the main spar, and is in the shape of rectangular trapezium, in the proportion of $\frac{1}{2}$ on the exterior to $\frac{2}{3}$ on the interior angle that the plane of the sail makes with the surface. The latter expanse should be constructed on the same principle as venetian shutters, but that they may be lighter, I suggest that they should be of substantial frame work, with canvas fastened over them. The hinge pin should be about $\frac{1}{4}$ or $\frac{1}{3}$ from the upper ledge of the shutter and moving freely in the sockets; a projecting staple from the centre of the upper ledge of each shutter, should be connected by a light chain and passing through a roller at the several divisions of the great fan be attached to some sort of spring, of sufficient strength, to keep the whole closed, when a moderate breeze was blowing; but capable of allowing the shutters to be forced open by degrees as the strength of the wind increased; closing

MASULIPATAM.

again when it fell. When the Mill is at rest and not required for work, the above chain may be unfastened, and another attached to the bottom of the shutters at their back drawn up and hitched, so as to leave the shutters completely open, with no surface for the wind to act on.

On the opposite side of the spar where the surface exposed is only $\frac{1}{2}$ I suggest simply stretching canvassails over a frame work, which could be furled or rolled up when the Mill was required to be at rest.

The several divisions of the whips should be made to correspond with the *floors* in the Mill, so as to enable the work people to get at the apparatus for geering and ungeering the shutters.

It might be found expedient to use cylindrical hollow cast iron shafts, in separate pieces in preference to large wooden spars, (for carrying the machinery) which must of necessity be very bulky.

For all the minor details, as to the arrangement of the machinery for the different work to be performed, it is of course left to the discretion of the Engineer and Mechanic to determine. But I imagine great facilities for cleaning paddy, sawing timber, working looms, paper making, rope making, oil crushing, &c. &c., are attainable through the aid of such wind power, and I conceive that with its appurtenances it would require the least possible superintendence and skill of any kind of Machinery which is the one great object of the suggestion, and the first expense would be, comparatively speaking, the last.

J. J. COTTON.

Masulipatam, January 15th 1857.

INSTRUCTIONS TO PUT THE STEEL YARD (C. PAUL'S) AND FOR ITS USE.

Suspend the Beam by the hook to a cross beam or chain, about 6 feet 6 inches from the ground—so that when the scale is attached by the chains, it may hang about 6 inches clear from the floor. (The folding sides of the scale are useful in placing upon, or removing from the scale, bulky articles as bales.) Place the “support” at any convenient distance, so that the main beam may move up and down the slot left for the purpose freely, a wooden pin being put through the holes, to prevent too much vibration of the balance. The steel yard thus put up will *nearly* trim itself. Correct the error by any convenient and necessary weight at hand.

The large weight, together with the traversing hook, (the roller of which should be slightly oiled when being fixed) will indicate 7 lbs. additional at every division across the top of the beam, measuring from the fulcrum. Should this large weight so placed on any of these divisions prove to be near, but more than the weight of the article in the scale, place it *back* one division, and with the small weight and hook, ascertain at what minor subdivision from the tongue, the true weight is indicated (the subdivisions are marked to indicate lbs. and their fractions) the total exhibited by the two weights, is equal to that in the scale.

For a description of C. Paul's steel yard, see Dr. Lardner's Cabinet Cyclopædia, Mechanic's p. 296, et seq.

J. J. COTTON,

Masulipatam, 22d December 1856.

DIRECTIONS FOR THE STEEL YARD (C. PAUL'S.)

Suspend the Beam by the hook to a cross beam or chain, for the purpose about 6 feet 6 inches from the ground, so that the scale when attached by the chains, may hang full 6 inches clear of the floor. The folding sides of the scale are useful in placing upon, or removing from the scale, large and bulky articles—bales, &c. Place the support at any convenient distance, so that the main beam may move up and down the slot left for the purpose—touching the sides if possible. Wooden pin being put through the holes sufficiently apart to prevent too much vibration of the balance.

The steel yard thus set up will *nearly* trim itself. Correct the error if any by the necessary weight and it is ready for use.

The large weight (constant weight) together with the traversing hook (the roller of which should be slightly oiled when being fixed) will indicate 7 lbs. additional at every division across the top of the beam, measuring from the tongue or tell tale. Should the large weight so placed on any of these divisions pour to be near but *more* than the weight of the articles in the scale place it *back* one division—and with the small weight and hook ascertain at what minor subdivision from the tongue the true weight is down. The subdivisions are marked to indicate lbs from 1 to 7 and their fractions, the total thus exhibited by the two weights—is equal to that of the article in the scale.

For a description of C. Paul's steel yard see Dr. Lardner's Cabinet Cyclopædia, Mechanic's p. 296 et sequitur.

J. J. COTTON,

Masulipatam, Decemr 1856.

INSTRUCTIONS FOR THE PLATFORM SCALE.

First to put it together.

Unscrew 8 screws to be seen round the *upper* part of the box containing the Machinery, which will release the platform—next unscrew the block of wood across the back of the box, and release the iron rod which there projects.

After opening the "case" which contains the pillar and other apparatus, and taking out the contents, open the lid of the box at the top of the pillar and slipping up the front slide take out what things may be found therein, viz the index rod, the connecting rod, the constant weights, trimming weight, and wire ring a brass hook, &c. Next unscrew the 4 lower screws at the back of the pillar, and remove the portion of plank which this will detach, and take out any other &c., that may have slipped down the slot, which may thus be examined to see if it is clear throughout. Then attach the standard pillar to the box, over the projecting iron bar, at the place indicated—by 6 strong screws; fix the brass hook in the back of the pillar on which to hang the weights, &c. Next having hooked one end of the connecting rod to the index rod, slowly drop the other down the slot in the pillar till the fulcrum rests on the supports. An attendant may then attach the lower and longer hook to the eye in the projecting iron bar below—replace the lower portion of the back board by the 4 screws, slip in the sliding front of the upper box, with the "set square" outside, and close the lid. (The spare lb. weights may be placed inside the box.) Trim the index rod by the small weight for the purpose, and the scale is ready for use.

DIRECTIONS.

The simple iron hook (4 oz.) indicates lbs. on each of the divisions marked.

By adding the small weight (4 oz.) the result shown must be doubled.

The 1 lb. weight on the iron hook indicates five times the amount shown on the rod.

And 2 lbs. and 4 oz. on the same hook makes a multiple of 10 for the same.

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It will be thus seen that 5 lbs. would weigh 3,000 lbs., if the machinery could support this great weight.

N.B.—When not in use please to replace the weights and hooks on the back of the pillar.

J. J. COTTON

Masulipatam, December 22d 1856.

DIRECTIONS FOR THE PLATFORM SCALE.

First to put it to together.

Unscrew 8 *long screws* to be seen round the *upper* part of the box containing the machinery which will release the platform or top of the box. Next unscrew the block of wood across the back of the box, and release the iron rod which there projects.

After opening the long "case" which accompanies the above and taking out the contents carefully, open the lid at the top of the standard pillar and slipping up the front sliding plank, take out what things may be found inside, viz the index rod, the connecting rod the weights, trimming weight, a brass hook, screw, &c. The hook for the constant weights will also be found inside the pillar—unscrew the 4 lower screw, at the back of the pillar and remove the portion of plank which will thus be detached—take out any other, &c. which may have slipped into the slot—which may also be examined to see that it is clear throughout. Then attach the standard pillar to the "box" over the projecting bar at the place indicated by 6 strong screws. Then having hooked one end of the connecting rod to the "index" rod, slowly drops the other down the slot in the pillar, till the fulcrum rests on the supports. An attendant may then attach the lower and longer hook to the edge on the projecting iron bar. Replace the lower portion of the back plank by the screws. Slip in the sliding front of the upper box with the "set square" outside and close the lid, (the spare 1 lb weights may be placed inside the box.) Trim the index rod by the small weight for the purpose and the scale is ready for use. (Screw in the brass hook on the back of the Pillar.)

The simple iron hook (4 oz.) indicates lbs. on each of the divisions marked on the arm.

By adding the small weight (4 oz.) the result shown must be doubled.

The 1 lb. weight on the iron hook indicates 5 times the number of lbs. marked on the rod.

Two lbs. and 4 oz. on the iron hook make a multiple of 10 per the same numbers.

(Five lbs. would thus weight 3000 lbs. if the machine could support ten weight)

N. B.—We have not in use please to replace the weights and hook on the back of the Pillar.

J. J. COTTON,

Masulipatam, December 1856.

NELLORE.

Exhibition Nos. corresponding with those of Local Committee.

LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.	LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.	LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.
<i>Medicinal Oils, Gums, &c.</i>		43	2116	88	2161
		44	2117	89	2162
		45	2118	90	2163
1	2074	46	2119	91	2164
2	2075	47	2120	92	2165
3	2076	48	2121	93	2166
4	2077	49	2122	94	2167
5	2078	50	2123	95	2168
6	2079	51	2124	96	2169
7	2080	52	2125	97	2170
8	2081	53	2126	98	2171
9	2082	54	2127	99	2172
10	2083	55	2128	100	2173
11	2084	56	2129	101	2174
12	2085	57	2130	102	2175
13	2086	58	2131	103	2176
14	2087	59	2132	104	2177
15	2088	60	2133	105	2178
16	2089	61	2134	106	2179
17	2090	62	2135	107	2180
18	2091	63	2136	108	2181
19	2092	64	2137	109	2182
20	2093	65	2138	110	2183
21	2094	66	2139	111	2184
22	2095	67	2140	112	2185
23	2096	68	2141	113	2186
24	2097	69	2142	114	2187
25	2098	70	2143	115	2188
26	2099	71	2144	<i>Seeds.</i>	
27	2100	72	2145		
28	2101	73	2146	1	2189
29	2102	74	2147	2	2190
30	2103	75	2148	3	2191
31	2104	76	2149	4	2192
32	2105	77	2150	5	2193
33	2106	78	2151	6	2194
34	2107	79	2152	7	2195
35	2108	80	2153	8	2196
36	2109	81	2154	9	2197
37	2110	82	2155	10	2198
38	2111	83	2156	11	2199
39	2112	84	2157	12	2200
40	2113	85	2158		
41	2114	86	2159		
42	2115	87	2160		

NELLORE.

Exhibition Nos. corresponding with those of Local Committee.

LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.	LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.	LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.
13	2201	9	2244	9	2283
14	2202	10	2245	10	2284
15	2203	11	2246	11	2285
16	2204	12	2247	12	2286
17	2205	<i>Oils.</i>		13	2287
18	2206			14	2288
19	2207			15	2289
20	2208			16	2290
21	2209	1	2248	17	2291
22	2210	2	2249	18	2292
23	2211	3	2250	19	2293
24	2212	4	2251	20	2294
25	2213	5	2252	21	2295
26	2214	6	2253	22	2296
27	2215	7	2254	23	2297
28	2216	8	2255	24	2298
29	2217	9	2256	25	2299
30	2218	10	2257	26	2300
31	2219	11	2258	27	2301
32	2220	12	2259	28	2302
33	2221	13	2260	29	2303
34	2222	14	2261	30	2304
35	2223	15	2262	31	2305
36	2224	16	2263	32	2306
37	2225	17	2264	33	2307
38	2226	18	2265	34	2308
39	2227	19	2266	35	2308½
40	2228	20	2267	<i>Stores, &c.</i>	
41	2229	21	2268		
42	2230	22	2269		
43	2231	23	2270		
44	2232	24	2271		
45	2233	25	2272		
46	2234	26	2273		
47	2235	27	2274		
<i>Gums.</i>		<i>Sundries.</i>		1	2309
1	2236	1	2275	2	2310
2	2237	2	2276	3	2311
3	2238	3	2277	4	2312
4	2239	4	2278	5	2313
5	2240	5	2279	6	2314
6	2241	6	2280	7	2315
7	2242	7	2281	8	2316
8	2243	8	2282	9	2317
				10	2318
				<i>Cloths.</i>	
				1	2319

NELLORE.

Classified List of the principal articles procurable in the Nellore District.

MINERAL KINGDOM.

- 1 Iron Ores and Iron,
- 2 Copper ore.
- 3 Charcoal,
- 4 Saltpetre.
- 5 Fullers earth or Soudoo,
- 6 Emery or Cooroovindaroy,
- 7 Lime or Chunam,
- 8 Gaujoo Roy, of the colours of which native bangles are made,
- 9 Tale or Abraeum,

VEGETABLE KINGDOM. CONDIMENTS.

- 1 Chillies,
- 2 Ginger,
- 3 Onions,
- 4 Turmeric.
- 5 Betel leaf,

FECULA.

- 1 Sweet Potatoes or Ganoosooogedda,
- 2 Arrowroot,

SUGAR SERIES.

- 1 Juice of Wild Date Tree,
- 2 Juice of Palmira Tree,

GUMS.

- 1 Gum of Thoomma Tree,

OIL SERIES.

- 1 Sesamum or Noovooloo Oil,
- 2 Ippa Oil.
- 3 Neem or Vapa Oil,
- 4 Lamp Oil,
- 5 Linseed or Avesa Oil,

DYES &c.

- 1 Chayroot,
- 2 Catecheu or Cachoo,
- 3 Indigo,
- 4 Muddechecca or bark for dying Red
- 5 Sooroogoodoochecca or bark for dying Pink,
- 6 Alliaukoo,

INDIAN PLANTS YIELDING FIBRES.

- 1 Wild Aloe or Calabanda,
- 2 Plaintain Tree,
- 3 Yercum or Jilladoo,
- 4 Hemp or Janapa,
- 5 Cannabis Sativa or Gongoo,

TIMBER.

- 1 Sundanum or Red Wood,
- 2 Tamba,
- 3 Inamatti,
- 4 Caraca,
- 5 Tocky,
- 6 Yapee.
- 7 Neradoo,
- 8 Ippa,
- 9 Toomna,

PULSES.

- 1 Paddy of sorts,
- 2 Joannaloo or great millet,
- 3 Horse gram,
- 4 Vargaloo or wild kidney bean,
- 5 Aulloo or Paspalum frumentaleum,
- 6 Sujjaloo or Cumboo,
- 7 Regooloo or Natchenny,
- 8 Pasaaloo or Greengram,
- 9 Minoomooloo or black gram,
- 10 Caramuloo, a black species of pulse,
- 11 Corraloo,
- 12 Cundooloo or red gram,
- 13 Chanagaloo or Bengal gram,
- 14 Allasendaaloo a white species of pulse,
- 15 Samooloo or millet Panicum,

ANIMAL KINGDOM.

- 1 Buffaloe horns,
- 2 Do. Skins,
- 3 Bullock Skins,
- 4 Sheep Skins,
- 5 Goat Skins,
- 6 Honey,
- 7 Wax,
- 8 Wool of the Country Coorpa Sheep,
- 9 Blankets or Cumblies,

Furnished by H. Young, Esquire, Member of the Nellore Local Committee at a cost of Rs. 38 - 12 from the funds placed at the disposal of the Local Committee. To be disposed of by the Committee for the Madras Exhibition at their discretion.

MEDICINAL OILS, SEEDS, GUMS, BARKS, &c. PROCURED IN THE NELLORE DISTRICT.

1	Sathapacoo or Rue,	50	Muncheegoommadee Valloo,
2	Brummathonda Valloo,	51	Golimede Valoo,
3	Munga Varoo,	52	Paulachettoo Valloo,
4	Pamoogudda,	53	Nalagolimede Valloo,
5	Boocheckragndda,	54	Vauvele Valloo,
6	Yesoovara Valloo,	55	Davadari Valloo,
7	Manpussoopoo,	56	Paddagaura Valloo,
8	Chetigara Valloo,	57	Maradoo Valloo,
9	Tellagunjaroo Valloo,	58	Sooriâ Cantha Valloo,
10	Thapasee Checka,	59	Vishnoo Cantha Valloo,
11	Bodatharan Valloo,	60	Dunthe Valloo,
12	Naramamidi Checka,	61	Molaea Valloo,
13	Podaputhry,	62	Chery Valloo,
14	Mooshtee Checka,	63	Chetimoti Valloo,
15	Chitharamoolum,	64	Paupara Valloo,
16	Visha Boddai Valloo,	65	Vapa Valloo,
17	Rala Checkah,	66	Caunooga Valloo,
18	Purpatacum,	67	Auvsee Valloo,
19	Pennaroo gudda,	68	Toolasec Valloo,
20	Dooroodagondée Valloo,	69	Guteha Valloo,
21	Cowhage,	70	Gungaravee Valloo,
22	Sarasaparilla Roots,	71	Therasurroopoo Checkah,
23	Sonty or Dry Ginger,	72	Woosireca Checkah,
24	Thoonga Moshtaloo,	73	Auticamaumidi Valloo,
25	Cushtoory pussoopoo,	74	Moendlagolimede or Gobhee Valloo
26	Cunnacomarigudda,	75	Pullaroo Valloo,
27	Chathoopollah,	76	Guljaroo Valloo,
28	Naragoonjee,	77	Murry Woodaloo,
29	Curpooravally,	78	Pitchica bera Valloo,
30	Thellavooppy,	79	Moonaga Valloo,
31	Nullapadamully,	80	Vacoodoo Valloo,
32	Colamookee Checkah,	81	Paupara Valloo,
33	Nalathungadoo,	82	Nullaroo Valloo,
34	Wasa,	83	Nala Woosireca Valloo,
35	Vadooroovoppoo,	84	Moondlagointa Valloo,
36	Padamaunee Checka,	85	Woommati Valloo,
37	Maradoo Checka,	86	Humsapaundee Valloo,
38	Audivimonaga Valloo,	87	Cheticasarapoo Valloo,
39	Thellagoorinjia Valloo,	88	Auroothonda Valloo,
40	Yanooga Culbundah Valloo,	89	Yanooga pullaroo Valloo,
41	Thellaguntance Valloo,	90	Gorinta Valloo,
42	Goodapaula Valloo,	91	Padamully Valloo,
43	Velloothoroo Valloo,	92	Thellapadamully Valloo,
44	Paddamoonocoodo,	93	Thekala Valloo,
45	Cheekerane Valloo,	94	Thoottara Valloo,
46	Thellathagada,	95	Thooreda goondi Valloo,
47	Paulagoommadee Valloo,	96	Goonta galajari Valloo,
48	Paumoothonda Valloo,	97	Garica Valloo,
49	Thellapooloogoodoo Valloo,	98	Neeli Valloo,

- 109 Vempali Valloo,
- 100 Thella Vempali Valloo,
- 101 Vominta Valloo,
- 102 Nalapoonna Valoo,
- 103 Chadarasee Valloo,
- 104 Noolivempali Valloo,
- 105 Currapacoo,
- 106 Culbunda,
- 107 Thella garica Valloo,
- 108 Woodymanoo Check,
- 109 Cullasa Valloo,
- 110 Nalavalaga Valloo,
- 111 Nulla thagada Valloo,
- 112 Noogoothasa Valloo,
- 113 Autipity Valloo,
- 114 Coosama Valloo,
- 115 Anthurthamara Valloo,

SEEDS.

- 1 Curruckayaloo,
- 2 Visha Cundrycaloo,
- 3 Paupada Vittooloo,
- 4 Coosama Vittooloo,
- 5 Mooshtee Vittooloo,
- 6 Soapoo or Aniseed,
- 7 Ranoocaloo,
- 8 Daneyaloo or Coriander,
- 9 Varagogoo,
- 10 Woosireca puppoo,
- 11 Vomum,
- 12 Coorunjee Vomum,
- 13 Codicapaloo,
- 14 Novooloo,
- 15 Munga Cayaloo,
- 16 Neroodi Vittooloo,
- 17 Thosa Vittooloo or Cucumber seeds
- 18 Anvaloo or Mustard,
- 19 Roodrajada Vittooloo,
- 20 Tuckolaloo,
- 21 Lavungaloo,
- 22 Pullarocayaloo,
- 23 Necroogobhee Vittooloo,
- 24 Thella Anvaloo,
- 25 Jaffara Vittooloo,
- 26 Soye Vittooloo,
- 27 Audaloo,
- 28 Cowhage seeds or Dooroodagoon-dee Vittooloo,
- 29 Vacoodoo Vittooloo,
- 30 Castor seeds or Chetamidaloo,
- 31 Yesapoogooloo,
- 32 Nulla jelacara,
- 33 Napalaloo or Croton seeds,
- 34 Cooncoodoo Vittooloo or soap nuts

- 35 Tody Cayaloo,
- 36 Moodoogpoovoo,
- 37 Jedivittooloo,
- 38 Garacayaloo,
- 39 Maradoo Caya,
- 40 Rala Caya,
- 41 Pippaloo or Long peppers,
- 42 Murry Caya vittooloo,
- 43 Cooganceroo,
- 44 Rategoonnor,
- 45 Rateparooogoo,
- 46 Ratinara,
- 47 Rati poovoo,

GUMS.

- 1 Cathara gondoo or Badum Gum,
- 2 Googilum,
- 3 Vapa Bunckah,
- 4 Toomma Bunckah,
- 5 Tella googilum,
- 6 Cauroo Ingoova,
- 7 Booraga Bunckah,
- 8 Moosambrum,
- 9 Madooga Bunckah,
- 10 Maumedi Bunckah,
- 11 Moonaga Bunckah,
- 12 Valaga Bunckah,

OILS.

- 1 Cocoanut,
- 2 White Avesa Seeds,
- 3 Necn or Margosa,
- 4 Mustard,
- 5 Cucumber,
- 6 Illoopoo,
- 7 Caju,
- 8 Eggs,
- 9 Poonga,
- 10 Maunkunganee,
- 11 Gingelly,
- 12 Ground nut,
- 13 Onions,
- 14 Garlic,
- 15 Castor,
- 16 Benjamin,
- 17 Kushklus,
- 18 Prickly poppy,
- 19 Grass,
- 20 Cloves,
- 21 Sandal wood,
- 22 Lime peel,
- 23 Poppy Seeds,
- 24 Orange,

- 25 Nutmegs,
26 Jessamine,
27 Sweet fennel flower,

OBTAINED ELSEWHERE.

- | | |
|------------------------------------|--|
| 1 Cooroovaro, Salem. | 16 Authemadsoorum, Bengal, |
| 2 Sivium, Malayalum. | 17 Corasawnee Vomum, Terooputty, |
| 3 Mody; Budrachellum, | 18 Machecayaloo, Coorg, |
| 4 Jatainancy, Singapore, | 19 Nagacasarlaloo, China, |
| 5 Chuagulva coshtoo, Bombay, | 20 Japuthry, Malayalum, |
| 6 Autherava, Bellary, | 21 Sullavamcrialoo, Do. |
| 7 Dalehinnychecka or Cinnamon, | 22 Vaye lavungaloo, Bombay, |
| Malayalum, | 23 Jelacara or Cumminseeds, Bellary, |
| 8 Calacaroheenee, Singapore, | 24 Jajecava or Nutmeg, Malayalum, |
| 9 Parrunghee checka, China, | 25 Merialoo or pepper, Do. |
| 10 Barunghee, Guntoor, | 26 Cooneoomapooovoo, Bengal, |
| 11 Naubhee, Coorg, | 27 Yalacayloo or Cardamon seeds, |
| 12 Ravalachinny, Persia, | Manontody, |
| 13 Suonarashitacum, Chandaraghery, | 28 Nalla cauchoo, Bellary, |
| 14 Doonparashitacum, Do. | 29 Mahesauchee, China, |
| 15 Akalakurrah, Bombay, | 30 Ingoova, Arabia. |
| | 31 Theila cauchoo, Bellary, |
| | 32 Baulinthaboloo, Arabia, |
| | 33 Oil country linseed, Juggiahpettah, |
| | 34 Do. Teak wood, Coimbatore, |
| | 35 Do. Earth, Do. |

SPECIMENS OF STONES. &c.

Furnished by F. H. Crozier, Esquire, Member of the Nellore Local Committee at a cost of Rs 12-3- from the funds placed at the disposal of the Local Committee. To be disposed of by the Committee for the Madras Exhibition at their discretion.

	No.
Specimens of Dodechedron Garnet from the Oodiagherry Hills.	9
Do. of Soap Stone and Ochre from Doograzpatam.	4
Do. of Dodechedron Garnet from Sydapurum.	6
Do. of Heavy spur from Ravor Talook.	2
Do. of Emery and Horn stone from the Talook of Caligherry.	4
Do. of Stones from Sungum.	1
Do. of Do. from Dursichendaloor.	2
Do. of Do from Nellore Talook.	6
Cement from the Common bush Cactus	6
Paper made in the Jail from wild thistles mixed with old net, Sheets,	12

CLOTH.

Furnished by F. B. Elton, Esquire, Member of the Nellore Local Committee at a cost of Rs. 18 - 4 - from the funds placed at the disposal of the Local Committee. To be disposed of by the Committee for the Madras Exhibition at their discretion.

- 1 Piece of fine muslin.

SUPPLEMENT TO NELLORE.

Exhibition Nos. corresponding with those of Local Committee.

LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.
1	8391
1	8392
3	8399
1	8389
1	8390
2	8396
2	8393
4	8397
2	8402
3	8394
2	8395
4	8398
4	8400
4	8401
55	8403
44	8404

Supplemental List.

SPECIMENS OF STONES, PROCURED BY THE NELLORE LOCAL COMMITTEE.

	No.
Gneis impregnated with Garnets from Sydapoor sent by Mr. Elton.	1
Stones from the neighbourhood of Rapoor in the Nellore Zillah, sent by the same Gentleman.	3
Stones from near the Narasimhalu Hills sent by Mr. Crozier.	2

CLOTHS.

Forwarded by Pitchica Ramalingum Chetty, weaver, exhibitor.

To be returned if not disposed of for the prices fixed.

	RS.	AS.	P.
1 Piece of Rajabadar cloth 17 yards long.	26	0	0
1 Do. Do. 18 Do.	26	0	0
3 Pieces of Do. 18 Do. at 22 Rs. each	66	0	0
1 Piece of Isaree cloth 14 Do.	21	0	0
1 Do. 14 Do.	20	0	0
2 Pieces of Do. 14 Do. at 19 Do.	38	0	0
2 Do. Do. 14 Do. at 18 Do.	36	0	0
4 Do. Do. 14 Do. at 17 Do.	68	0	0
2 Do. Do. 14 Do. at 14 Do.	28	0	1
3 Do. Do. 14 Do. at 11 Do.	33	0	0
2 Do. Do. 14 Do. at 9 Do.	18	0	0
4 Do. Do. 14 Do. at 8 Do.	32	0	0
4 Do. Jean 14 Do. at 10 Do.	40	0	0
4 Dozs of Handkerchieves at Rs. 3 12 0 per Doz.	15	0	0
55 Do. Do. at Rs. 4 0 0 Do.	220	0	0
44 Do. Do. at Rs. 3 0 0 Do.	132	0	6
	819	0	0

OOTACAMUND.

Mr. McIvor Superintendent Government
Gardens, Exhibitor.

FIBRES.

- 8264 Nar or bast from a species of Sterculia.
- 8265 Nar or bast from the large Australian or rather Cape tree.
- 8266 Nar from Pimelia a Cooramboore sack from Wynaad Jungles.
- 8267 A soft Stone common in Wynaad.
- 8268 French Beans,
- WOODS.
- 6269 Sarcococca trinerva or Neilgherry Box Wood.
- 8270 Dodonea viscosa.
- 8271 Sapota Elengoides.
- 8272 Iny Marum.
- 8273 Nou—or Nagoo Marum.
- 8274 Poona Marum.
- 8275 Ven Marathoo.
- 8276 Ben Teak.
- 8277 Grewia tilaefolia Thalamarum.
- 8278 Kotum Vaga Erythrina Indica.

- 8279 Porlee Marum.
- 8280 Vanghy Marum.
- 8281 Odageo Marum
- 8282 Kana Kytha.
- 8283 Pedoo Marum.
- 8284 Carroo Marrathoo.
- 8285 Kunjeeram Marum or Poison tree.
- 8286 Thalay Marathoi.
- 8287 Pathree Marum.
- 8288 Jack wood.
- 8289 Karroo Vagoo.
- 8290 Kul Teak.
- 8291 Thany Marum.
- 8292 Saggapoo do.
- 8293 Srool do.
- 8294 Jumbagum do.
- 8295 Netavil do.
- 8296 Beaty or Carrooo do.
- 8297 English Barley.

D. Ross, Esq. Exhibitor.

- 8298 Silk from Assam.
- 8299 Aniah Monga.
- 8300 Tasseli.

LIST OF ARTICLES FORWARDED TO THE MADRAS EXHIBITION BY MR. W. G. McIVOR SUPT. GOVT. GARDENS OOTACAMUND.

Nar or bast from a species of Sterculia the tree is common in Wynaad on the higher elevations. The bast is as durable as ordinary Russian bast but inferior to the best Russian bast.

Nar or bast from the large Australian or rather Cape tree (*Acacia robusta*) so common on the Neilgherries. In January last I first used this bast and it has since been in use in these gardens for all the purposes to which Russian bast is applied in gardens in Europe. The material is strong very tough and durable also pliable when wetted. No. 1 specimen is the bark as taken off the tree. No. 2 is prepared for tying plants. No. 3 for twisting into rope. This bast could be procured cheaply and in large quantities, as the trees when cut down throw up numerous young shoots to the height of from 6 to 12 feet in one year. The bark of this tree is also a powerful tan.

Nar from Pimelia—the specimen is from Wynaad where the plant is abundant and there made into sewing thread by the Natives. The plant is also common all over the Neilgherries.

A Cooramboore sack from Wynaad jungles. This curious bag is simply the bark beat and then pulled off a large and common jungle tree *Lepurandra saccadora*. When a Cooramboore wishes a sack to carry his rice he cuts down a branch of the “chundul” and then cuts it into the length of the bag required—this being done he proceeds to beat the bark all round on the outside until the reticulated fibres of the inner bark begin to give way. He then draws the bark off entire, rubs off the outer bark sows the inner bark up at the bottom (with thread made of the Pimelia) which completes the operation.

The tree is very common and of gigantic size the wood is said to be good and the

OOTACAMUND.

fibre which is strong and could be procured in any quantity and at a cheap rate may prove of some commercial value.

A soft stone common in Wynaad occurring in immense beds between sultans Battery and Wulputty (probably common all over the country) it is easily cut and ornamented and on that account cut into figures by the natives and used for building their temples. They say it is imperishable and resists damp and becomes harder the longer it is exposed to the Weather.

French Beans from the Government Gardens Ootacamund. It is well known that the French Beans forms the principal food of the French peasant and soldier. These beans contain more nutritive matter than any other known Vegetable Product and are on that account most desirable for the supply of troops. In France they are sold from 2½d to 5d per lb. according to colour the white kinds bringing the highest price. They could be produced on the Neilgherries if grown in large quantities at about half the above mentioned price and are exhibited in order to call attention to this fact.

Bundles of Porcupines Quills.

WOODS.

Sarcococca trinerva or Neilgherry Box Wood. Tree very common on the Neilgherries wood hard and durable, might be used as common Box wood in the Arts.

Berberis tinctoria a common shrub on the Neilgherries wood is said to yield a yellow dye and might be used for purposes.

Dodonea viscosa common on the Neilgherries wood elastic and useful for tool handles.

Sapota Elengoides a large common on the Neilgherries wood strong and elastic and like the Hawthorn burns well when green.

Inyamarum Artocarpus hirsutus used about Calicut for making furniture and for building purposes common on the Western Ghauts and in Wynaad. A large tree.

Nou or Nagoo Marum. *Pterocarpus* species a very strong and durable wood common on the lower elevations of the Neilgherries an ordinary sized tree.

Poona Marum *Calophyllum* species a large tree common on the Western Ghauts wood much used in House and to some extent in ship building.

Ven Marathoo *Terminalia* sp: common about Nelambore tree of large size wood used in building.

Ben teak. *Lagerstræmia microcarpa* common in Wynaad and on the Western Ghauts wood prized for making coffee cases.

Grewia tilæfolia Thalathee Marum wood used as the Ben teak for which it is often sold at Calicut.

Kotum Vaga *Erythrina Indica* used for floats by the Fishermen not durable.

Poolee Marum *Salmalia Malabarica* common about Nelambore where it is used for building.

Vanghy Marum *Pterocarpus marsupium* common all round the foot of the Ghauts wood much used in building but exudes a yellow dye which discolours the chunam where it comes in contact with it.

OOTACAMUND.

Odagoo Marum *Bassia longifolia* an ordinary sized tree wood much used on the Malabar side for building.

Kanakytha *Artocarpus echinata* not used apparently a good wood a large tree very common about Walaghat and Wynaad.

Peedoo Marum a small tree wood used for building in Wynaad where it grows plentifully.

Carroo-Marrathoo *Terminalia elata*, used for the same purposes as Ben teak under which name it is frequently sold, common on the Western Ghauts and in Wynaad wood not durable.

Kunjeeram Marum or Poison tree *Strychnos Nux-Vomica* a small tree very common about Nelambore wood strong and elastic much used for tool handles.

Thaly Marathoo *Sapindus emarginatus* a small tree wood elastic strong and durable common in Wynaad.

Pathree Marum *Stereospermum* sp : a large tree, wood used for building and making cases common in Wynaad.

Jackwood *Artocarpus integrifolia*, common all over India used for making furniture.

Karroo Vagoo *Pterocarpus* sp : a very common tree on the Western Ghauts wood strong, durable, and much used for building.

Kul Teak *Tectona grandis* var. Wynaad about Sultans Battery but scarce considered superior to the common Teak.

Thany Marum common about Nelambore and in Coorg wood much used but not durable being very liable to be attacked by insects.

Sa ggapoo Marum or Cedar Wood *Hymenodictyon excelsum* a large tree common all round the foot of the Neilgherries, wood much used and esteemed for inside work such as drawers &c.

Irool Marum *Mesua* sp : Nelambore Jungles common much used by the Natives for building purposes durable and not liable to be attacked by insects.

Jumbagum Marum *Pterocarpus* sp : common about Nelambore and in Wynaad a large tree wood used for building ; and fencing gardens said to be durable.

Netavil Marum or Chundul *Lepurandra saccadora*. This is a very common tree and the most gigantic of all the trees in the Wynaad Jungles Cooramboor bags or sacks are made from the bark wood not much used.

Beaty or Carroo Marum. Blackwood *Dalbergia latifolia* common in Wynaad on open and grass lands where the tree attains a great size.

English Barley grown on the Neilgherries.

PALGHAUT.

Weaver Nanooviah, Exhibitor.

TABLE CLOTHS TOWELS AND NAPKINS.

191	Mayilkum Table Cloth	Rs. 2-8
192	Pully do do.	Rs. 3.
193	Dimity do do.	Rs. 2-4.
194	Bed Cloths	Rs. 2-4.
195	Doz. Towels at $2 \times 1\frac{1}{2}$ cubit	Rs. 2.
196	Doz. Ditto at 2×2 do.	Rs. 2-8.
197	1st Sort Pully Napkin	As. 1-8.
198	2nd do do do	As. 1-4.
199	3rd do do do	As. 1.
200	1st do Mayilkum do	As. 1-8.
201	1st do Dimity do	As. 1-4

Nellicherry Sevarama Iyer, Exhibitor.

MATS.

202	Valia Veerally	Rs. 6
203	Pully ditto	Rs. 4.
204	Nalloochayem ditto	Rs. 4.
205	Nadooka Vella	Rs. 3-8.
206	Annpoo Veerally	Rs. 3-8.
207	Red Coach do.	Rs. 3.
208	Black ditto ditto	Rs. 2-8.
209	Ditto ditto Pagada	Rs. 2-8.
210	Ditto ditto Anny	Rs. 2-8
211	Ditto do Chadracally	Rs. 2-8.
212	Sooriacandem	Rs. 2-4.
213	Nalloochayem ketty Mookiya Veerally	Rs. 2-4.
214	Natchathram coach	Rs. 2.
215	Mayilkum	Rs. 1-12.
216	Inferior kind	Rs. 1-8.
217	Naroongarry	Rs. 1-8.
218	Kettimookiya	Rs. 1-3.
219	Nulloochayem Veerally	Rs. 1.
220	Common	Rs. 1.
221	Annpoo	As. 10.
222	Pagadapoa	As. 10.
223	Paramathany Coach	Rs. 6.
224	Mahapoo	Rs. 6.
225	Kattymookiah	Rs. 6.
226	Nadoovella	Rs. 4-8.
227	Poolikooroona	Rs. 3-8.
228	Nadooka Vella Veerally	Rs. 8.

PADDY.

229	Valia Chaman.
230	Small do.
231	Anna ditto.
232	Yeripapoo ditto.
233	Large Choranaly.
234	Small ditto.
235	Red ditto.
236	Ottathunden do.
237	Choranaly.

238	Karootla Kayama.
239	White ditto.
240	Koorooa ditto.
241	Karootla Karoopally.
242	White ditto.
243	Mala ditto.
244	Black Navaro
245	White ditto
246	Paramba Moden
247	Katta ditto
248	Ary ditto
249	Arien ditto
250	Patta ditto
251	Velootta Vutten
252	Thonocram ditto
253	White Moondagapully
254	Tharoopully
255	Kada kalooten
256	Thavala kuunen
257	Karoothany
258	Karoothpanaryen
259	Ragannen
260	Aroovakarry
261	Koongama chumber
262	White Areecy
263	Black ditto
264	Chengoorooova
265	Earkella Chumben
266	Pedooparien
267	Cherooponarien
268	Seera
269	Bengal Chumben
270	Seeraga ditto.
271	Small ditto.

Kristna Chettiar, Exhibitor.

WOODS.

272	Chorigoorom
273	Teak wood.
274	Pullamarda
275	Karocvalagam
276	Vendaka
277	Arasa.
278	Valagom
279	Peroontholy
280	Peeroova
281	Mayilella
282	Aroomboolly
283	Annacara
284	Panganny
285	Goa
286	Maravetty.
287	Korangapingee
288	Mambalanary.
289	Banga
290	Nochy
291	Thany

*PALGHAUT.

292 Parooka
 293 Paragoom
 294 Yelooopa
 295 Marknut
 296 Koomoola
 297 Kangerom
 298 Mangaka dumbah
 299 Alla Banien
 300 Mango
 301 Malamantharom
 302 Chomaren
 303 Palkur
 304 Kullala
 305 Narachy
 306 Yelanda
 307 Vapa do
 308 Malangare
 309 Kappunjaree
 310 Porasa
 311 Modalamockindo
 312 Chendoorem
 313 Theovetty
 314 Adookoopangany
 315 Thavapaula
 316 Eroovool
 317 Malookoby Vaga
 318 Oondanally
 319 Omethaka
 320 Kanagom
 321 Karavnmarda
 322 Kodagapala
 323 Karingalby
 324 Plava Jack wood.
 325 Malavamboo
 326 Wood apple valla.
 327 Black Wood (Beitly.)
 328 Ayerpooby wood
 329 Narryvillava
 330 Chorecoby
 331 Pathery wood
 332 Nanjapaveta
 333 Arynelly
 334 Kadooka
 335 Vuttapalany
 336 Pelachy
 337 Itty
 338 Konna
 339 Karella
 340 Carpenjee
 341 Peechy
 342 Vilvum
 343 Avil
 344 Neelapolla
 345 Pokavalla
 346 Kannoothinny
 347 Patacheeny
 348 Veduttalla
 349 Neermarda
 350 Koomblapadry
 351 Odooya
 352 Vanga
 353 Karoovapa wood.
 354 Edingell
 355 Vedipavetta

356 Navel
 357 Kingedimanthoram
 358 Poolla
 359 Atty
 360 Neerpoolava
 361 Ayngolom
 362 Kadamba
 363 Karoomarda
 364 Poovarasa
 365 Poona
 366 Tamarind
 367 Paramba
 368 Thoombil
 369 Paya
 370 Kangeekota
 371 Kayany
 372 Poovem
 373 Vedengorata
 374 Vellanava

Veerasawmy Moodelly, Exhibitor.

COLOURED LEATHER.

375 White leather of Sheeps As. 8.
 376 Deer Skin do As. 8.
 377 Red leather of Sheeps As. 12.
 378 Pale colour of Deer Skin Rs. 1.
 379 do do of Sheeps As. 12.
 380 do do of Goat Rs. 1.
 381 Leather of do As. 5.
 382 Blue colour of do As. 12.
 383 Purple colour of do Rs. 1.

Armooga Konar Exhibitor.

OILS.

384 WildSerpent Oil.
 385 Peacock do
 386 Pigs ghee do
 387 Neeratty do
 388 Wood do
 389 Marknut do
 390 Earth do
 391 Castor do (ordinary)
 392 Casheu nut do
 393 Marikoloondoo do
 394 Gingely do
 395 Cooanoot do
 396 Cloves do
 397 Fire Ointment (dravagum)
 398 Indian laurel tree oil.
 399 Eggs oil. do
 400 Camphor. do
 401 Bears Ghee do
 402 Mustard do
 403 Jungle Castor do
 404 Kodapalary.

PALGHAUT.

405	Wild Olive	tree
406	Poonga	do
407	Pocvatta	do
408	Maravettee	do
409	Margosa	do
410	Garlick	do
411	Korianderseed	do
412	Yeliamanaka	do
413	Peppers	do
414	Castor (Hospital)	
415	Cinnamon	do
416	Kaskus	do
417	Koongliam	do
418	Galnut seed (kadookoy)	
419	Cummin	seed.
420	Sandal	do
421	Bitter almond	do
422	Bendacoy	do
423	Sundnathy	do
424	Narevallem	do
425	Sheeps ghee	do
426	Chilly Ointment.	
427	Black gingelly Oil.	
428	Harts ghee	
429	Seenikoy Oil.	
430	Karoovoy puttay.	
431	Peroonjeeragum.	
432	Tigers ghee.	
433	Neringee mooloo Oil.	
434	Magarasango Ointment.	
435	Ornem.	
436	Benjamin.	
437	Brimathandy.	
438	Ihavatbarom.	
439	Frogs Ghee.	
440	Koondrookom.	
441	Seeroopunary.	
442	Agatty.	
443	Saltpetre.	
444	Sulphur sour.	
445	Canjerakooroo Oil.	
446	Wild Hogs Ghee.	
447	Harkolary Ointment.	
448	Horiey.	
449	Jooty Oil.	
450	Abeen (opium)	
451	Masakadooga.	
452	Jinet catechue Oil.	

Kristna Chettyar, Exhibitor.

IRONS.

453	Padinjarrapurom.
454	Angadypurom.
455	Jharoor.

Lutchmansing Exhibitor.

Gums.

456	Opium.
457	Toobacco.
458	Tamarind.
459	Coondoomony.
460	Vooloondoo.
461	Wheat.
462	Kumbly.
463	Mattipaul.
464	Mooroonga.
465	Wood Apple.
466	Hing.
467	Margosa.
468	Karoongoongliem.
469	Googne.
470	Rooma Mustkee.
471	Koondrookom.
472	Vellakoongley.
473	Karoovalom.
474	Salamisree roots.
475	Vendaya gum.
476	Coova mavoo.
477	Glue.
478	Chundress
479	Annakara
480	Karoovaga
481	Vellakava
482	Vellanavel
483	Venga.
484	Arsa
485	Atty
486	Jackwood

D. Parker Esq., Exhibitor.

SUNDRIES.

2330	A Timber Bridge of three Truses on the American principle 1 Inch to 1 Foot.
2331	Mining Tools.
2332	A model of a "Dobbing Cart" used on the earth work of the Madras Railway.

PALGHAUT.

Mr. H. H. Smith Superintendent Madras
Railway Company, Exhibitor.
2333 Style of a tempered steel inlaid
with Silver.

D. Parker Esq, Exhibitor.
2334 A model of a scotch cart used on
the Madras Railway for a Pair of
Bullocks.

PEGUE.

Dr. Braudies Supt. of Forests in Pegue Exhibitor.

METALS.

- 8901 Khabeeah a compound of Tin and Lead from Ava.
- 8902 Khaimaphjoo Lead from Ava.
- 8903 Than Burmese iron.
- 8904 Burmese Bismuth.
- 8905 Thoot Burmese Zinc.
- 8906 Paddah Burmese mercury from Ava.
- 8907 Henthabadahacing Crystalized Cinabar.

VERMILLION.

- 8908 Henthabadahajing Vermillion powder.

MINERALS.

- 8909 Kan Burmese Sulphur.
- 8910 Mjaithingay clay with much Iron Eaten by Burmese ladies.
- 8911 Tsay-dan Oripigment (Dento sulphuret of Arsenik) yellow paint.
- 8912 Kangoo san Soapstone (Silicate of Magnesia) Burmese pencils.
- 8913 Kjaupjen Sandstone Stone on which the powder used by the Burmese Ladies is mixed with water.
- 8914 Zan Zing salt petre.
- 8915 Yen an Earth oil from Yenangjoun below Ava.

ROOTS OR PARTS OF THE SUBTEERANEAN STEM.

- 8916 Ginseing Ginger Zingiber sp. Rangoon.
- 8917 Nhanoing Turmeric Curcuma sp. Rangoon yellow dye.
- 8918 Khamoung on Kaempferia Galanga Used as spice, and as powder by the Kareen ladies.
- 8919 Kambaloo Umbellifera? Used by the Burmese ladies as a powder for the face.
- 8920 Thayinkadoe Croton sp : medicine.

PART OF THE STEM WOOD AND BARK.

- 8921 Tsajiau. The stem of Tobacco Nicotiana Tabacum cut into pieces, is mixed with the Tobacco leaves for making cheroots.
- 8922 Thajan Grewia sp. used for washing the hair.
- 8923 Kathetsoo Toddalia sp. Medicine and used by the Burmese Ladies as powder for the face.

- 8924 Thajingipee Croton sp : Medicine.
- 8925 Teingjet Caesalpinia sappan red dye

LEAVES AND FLOWERS.

- 8926 Majahbun leaves used to cover Cheroots.
- 8927 Sepay Chou. Burmese Tea.

FIVE VARIETIES OF NYMPHAEA SP: USED AS MEDICINE AND AS A DAINTY.

- 8928 (a) Kva byou white flowers and buds.
- (b) Kja poumay eh white and Black buds.
- (c) Kja nyo (blue) buds.
- (d) Kja nee (red) buds.
- (e) Kja tesay (yellow) buds.

FRUITS AND SEEDS.

- 8929 Nagoukgjailay Capsicum annum.
- 8930 Nhannay black Sesam sesam um indicum oil.
- 8931 Nhampjoo white Sesam oil.
- 8932 Peinzaing zee Ocimum sanctum steeped in water and drank as a Sherbert.
- 8933 Kounthee Betel nuts Areca Catechu from Goungoo.
- 8934 Malajou Kounthee Betel nuts inferior kind from Moulmein.
- 8935 Samoung nay Nigella sativa Eaten with Sweetmeats.
- 8936 Peikcheen Long Pepper piper longum used as Medicine.
- 8937 Kijazee Melumbium peciosum eaten by the Burmese.
- 8938 Myai bay Ground nuts Arachis hypogaea Eaten Rangoon.
- 8939 Thee dinsee Arnotto, bixa Crellana cultivated in Pegu red dye.
- 8940 Kjaithree Ink nuts semecarpus Anacardium used as medicine and to mark cloths.
- 8941 Keen boon the Acacia rugata green dye.
- 8942 Toucy gee Adenanathera pavonina and as weights.
- 8943 Zeng yone nee Abrus precatorius Medicine.
- 8944 Zeng yone beeou Abrus white Medicine.
- 8945 Kalyng Guilandma bonduc Medicine.
- 8946 Kyezy Zee Coix Lacrima Neck-lace and Ornaments.
- 8947 Pangah Terminahia bellerica Eaten

PEGUE.

- 8948 Kanakau Croton Tiglium ? Medicine
8949 Gaungin Enthada Tusaetha Eaten

EATEN WHEN ROASTED.

- 8950 Kjaissou Terminalia Chebula Eaten
8951 Hzee Nizyphus Jujuba Eaten.

OIL RESIN, GUM, BALSAM ETC. ETC.

- 8952 Shaw Mhyoo Nhee Catechu accacia
1st Quality, Eaten with beetle nut
8953 Shaw Myou Nhait do 2nd Quality
Eaten and for marking.
8954 Shaw Ysai Do. 3rd Quality Eaten.
8955 Thessee Lacquer Melanorrhoca
usitatissima used for the Burmese
boxes.
8956 Khjeijk Mhau sticklac powdered,
and used as glue by turners.
8957 Khjeyk Stick lac produced by the
puncture of a sp of coccus not
only on the branches of Ficus sp :
but also on those of Zizyphus
Jujuba.
8958 Kanyin zee (from the Rangoon
bazaar Diptero carpus alatus).
8959 Kanyin Zee (Diptero carpus alatus)
Wood-oil direct from the tree.
8960 Aing Zee Wood oil of Diptero car-
pus sp.
8961 Aing thee seeds of Ditto.
8962 Aing dooey Resin of the aing bain
depteoo carpus species See 106.
8963 Pooley Nyet Resin found in hollow
trees of different kinds Pynkadoe
Ingu Xylocarpu, Pymmah Lagers
troimia sp. Aing diptero carpus
sp : through the puncture of an
Insect.
8964 Kanyin Midein Torches filled with
rotten wood saturated with the
oil of Diptero carpus alatus, and
enclosed with leaves of Thaban
bain (Pandanus sp :)
8965 Shan Zee Oil of an unknown plant
from the shan country used for
lacquering.

MANUFACTURES.

LACQUERED WARE.

- 8966 Dounglan The universal table and
dish in one of Burmah, used by
the King, Pungyis, and beggars.
The principal seat of this manu-
facture in British Pegu is Prome,
where the Tyke Okes, or manu-
factures of these articles occupy
an entire street by themselves.
The Dounglan consists of three
parts which are made separate-

ly, the basis, the top and the
pantein, or sticks which join both
together. All are turned on a
lathe, being fastened to it by stick
lac (kjeik.)

When the piece are joined together,
they are first covered with a
layer of Thetsee Melanorrhoca
vanish then with a mixture of
Thetsee and Wood ashes, then
with Theetsee alone, until the
surface is perfectly smooth, and
at last with a mixture of Theetsee,
binnabar and shauser, which gives
them the red colour.

- 8967 One ditto in the second stage covered with Theetsee alone.
8968 Two Biahs, finished, one with more,
the other with less binnabar.
8969 Thoungzoundan biah dish for pre-
senting offerings. The upper
part of this article is not made
of wood, but of a net-work of
bamboo, like all articles enume-
rated in the following and all
boxes known as shan boxes.
The lacquering of the bamboo
articles is done in the same man-
ner as that of the Dounglans.
The best of the article of this
kind are used to be made by
burmans at Pogan, in the Burmese
territory below ava.
8970 Koung ou Burmese betel box.
8971 Koung ou kings beteb box.
8972 Small betel box.
8973 Ditto ditto.
8974 Ditto ditto.
8975 Shan betel box.
8976 Kallat used for presenting sweet
meats to Poongyees.
8977 Burmese cup.
8978 Oh Zee Burmese drum.

MATS, &C.

- 8979 Theinbew aphju. White mats Ma-
ranta sp : Thein been.
8980 Do anay black mats.
8981 Hnee phia bamboo mat.
8982 Kathorinwa. bambrisa sp :
8983 Zyaitpheea made of Zeyaitbein
Marantocca ? Rangoon.
8984 Thabau pheaa made of Thabau bein
Pandanus sp : Rangoon.
8985 Kyoo Koubine Reed mat made of
Kyoo bain Arundo sp :
8986 The stems of Kyoo bain Arundo sp :
8987 Phah Burmese basket made of
Thanbain the palm leaf borassus
flabelliformis.
8988 Tabiaih Zee burmese broom made

PEGUE.

of the cocoanut leaves stalk 3 specimens.
8989 Khamao Burmese coolies hat made of the sheaths of the large bamboo. Wah bau bambusa gigantia ?

(a) 1 of size.

(b) 2 of do.

(c) 3 of do.

8990 Paiajouet Burmese blank book made of the leaves of Cory phasp.

8991 Paiza Burmese sacred writings.
ARTICLES OF METAL.

8992 Burmese Dah.

8993 Shan Dah-

8994 Burmese scales Burmese weights 20 Gikals, 5 do 2 do, 1 do. $\frac{1}{2}$ do, $\frac{1}{4}$ do.

8995 Burmese betel nut scissors.

8996 Burmese spoon and Tweezers.

8997 Burmese Castanets or Cymbols.

VARIOUS

8998 Sapeeyah Burmese soap.

8999 Burmese looking glass.

9000 Do do

9001 Burmese Combs.

9002 Burmese Cotton.

9003 Burmese cotton thread

9004 Burmese paper made from the bark of the My oung bain Ficus sp. Mhin wa. Bambusa sp : and other trees.

9005 Shan paper made from the bark of the same tree in the shan country.

9006 Phanna seng Burmese slives.

9007 Do do.

9008 Phanna seng worn by Burmese Coolies.

9009 Po. jeoo spun silk from Pegue.

9010 Umbrella from Ava. The shaft made of Wapjoo a kind of bamboo not

to be found in the lower parts of Pegue.

9011 Umbrella from Rangoon. The shaft of Thein wa Bambusa sp.

BURMESE SILKS AND KAREEN COTTON DRESS

DYES USED FOR THE DIFFERENT COLOURS.

9012 one Black May bain Indigopera sp fresh prepared for use.

9013 two Crimson. Theydensee Bixa Orellana See No. 45.

9014 three Yellow Nhaniouin Curcuma longa See No. 18.

9015 four Green 1 Keenboon thee Acacia See No. 47 rugata fruit and leaves.

2) Pangah bain Terminalia belleri fruit and leaves See No. 53.

9016 five Dark red Teingjet basapinia Sappan See No. 27.

9017 six Brownish red. Neebah, bain (onkareen cotton)

BURMESE DRESSES.

9018 Patsau Gentlemens dress made of Burmese silk

Ladies DRESS.

9019 Tsat. Tamain

9020 Loun Tamain.

9021 Tamein Na.

KAREEN DRESSES MADE OF KAREEN COTTON.

9022 Theing dein, ornamented with the seeds of kyei see box sp : of which several varieties are cultivated See No. 52.

9023 Kaum baun Turban or Head dress.

9024 Tamein or Petticoat

9025 Akureen Ladies necklace of box seeds

9026 Head dress of betel wings.

9027 Nadaun silver Ear rings.

COMMITTEE OF EXHIBITIONS
FOR THE FRENCH ESTABLISHMENTS IN INDIA.

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COMMISSIONER OF THE FRENCH GOVERNMENT TO THE
MADRAS EXHIBITION.

A. GALLOIS-MONTBRUN.

NOMENCLATURE OF ARTICLES

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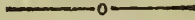
French Establishments in India

TO THE

MADRAS EXHIBITION

OF

1857.



The only French Establishments which have been represented in the Madras Exhibition, are those of Pondicherry and Karikal.

The Committee regrets not having been able, notwithstanding their efforts, to make a collection of articles, offering a more complete idea of the productions and resources of the country generally, more particularly of Karikal.

Many causes have contributed to this unsatisfactory result. First the Exhibition of 1857, has perhaps followed too near on that of 1855. Since in India, owing to the slow propagation of new ideas, and the difficulty there is in making any thing public. The objects sought to be obtained by Exhibitors, has yet to be learnt and appreciated. Those who as Members of the Local Committee's have experienced these difficulties, can alone have a very exact idea of the impediment attending a contingent collection of articles destined for an Exhibition. With a few exceptions, the producer in India, particularly the native, can with difficulty be made to consent to make public his products, or the means by which excellence in their growth of manufacture has been attained. While the European has no immediate dread of competition, and the attendant difficulties. The Hindoo, even supposing his understanding to have been enlarged, has still some secular prejudices to surmount. The following circumstance will shew to all, the degree of prejudice which is opposed to the establishment of Exhibition in this country. The Local Committee of Pondicherry having wished to send to Madras a collection of tissues manufactured in the French territory, re-

ferred the matter to the principal Weavers of the places adjacent to the town of Pondicherry, and offered to buy their collections, paying them the price *immediately* after the closing of the Exhibition *where each produce would be exhibited with the manufacturer's name attached*. After long hesitations and negotiations which lasted many months, the Weavers refused and declared positively that their names should not be published in the catalogue of the Exhibition. The Committee then abandoned the idea. Happily they found in Mr. Kou Parasoorama Chettiar, Native Banker, whose intelligence has raised him to his present affluence—a coadjutor, whose exertions and contributions released them from further trouble and anxiety on the subject. The same praise is due to MM. Soupourayapoullé—Soubrayapoullé and Poullé Appavoo Moodelliar. The Committee hope that this explanation of matters will be their excuse with the General Committee and the Govt. of Madras whose generous efforts have now been continued for 2 years, for the small consignments from the French possessions in India and will also induce them to increase the rewards to those exhibitors who have responded to the wishes of his excellency the Governor of Madras, almost all the following articles were contributed by Pondicherry Karikal and were manufactured in their neighbourhood. The small number that the Committee purchased in the Bazaar, will form the subject for a special report.

The agricultural and industrial resources of the two Establishments which were denominated above shall be mentioned in a summary manner, under the head of each class to which they belong. The particular observations on each product shall be put immediately after the article referred to. The only general observation that the Committee think it is necessary should precede this List, is relative to the fairs or places where procurable and upon which the general Committee desired to have special information.

There is no fair either at Pondicherry or at Karikal. The bazaars or markets of these two towns serve only for the exchange or sale of provisions necessary for home consumption. The following fairs, although not in French territory, may justly from their proximity be considered as influencing the commerce of Pondicherry and its establishment.

(1) Marcanum (District of Tindivenum) Wednesday of every week. Thick cloths, various merchandises, rice and other grains, legumes, salt fishes, &c. This market was established three years ago, and attracts many merchants and is becoming of increased importance every day.

Tindivanum (District of this name) Wednesday of every week. Natchiny, Cholem, Rice, Cloths, earthen pots, cocoanuts, fruits, jack, and pulses. This market recently established, already begins to increase.

Manaloorpett (District of Tiroocoviloor) Monday of every week. The same merchandises as at Tindivanum; it is not so well attended as when first established about 12 years ago.

Tiroocoviloor (District of this name) Paddy, Salt Natchiny, Cholem, Cumboo, Paroopoo, Rice, Cocoanut, Jaggry, Betle, Groundnut, Tamarind, Garlic, Dates, Gingely Oil, Sugar, Palm-tree's Sugar, Black Gram, Bananey, Jack, Pulses, Ghee, Pepper, &c., and other merchandise, 15 Butchers stalls. This market, established on the 7th January, 1854, takes place twice every month on Wednesdays.

Poodoopaleom (District of Siroovunnamalay) twice a month, Thursdays. The same ar-

ticles as in the two markets above named. Though this market has been established many years, it has not increased.*

CLASS I.

MINING, QUARRYING, METALLURGICAL OPERATIONS AND MINERAL PRODUCTS.

The Committee have not any kind of mineral products of the establishment of Karikal and that of Pondicherry, as yet explored but little, with the exception of the Iron Ores, &c, calcareous rocks of Seedrapett exhibited at the last Exhibition—affords nothing new. The recent excavations have led to the discovery by Mr. Perrottet, of lignites which this experienced botanist had been pleased to send to the Exhibition.

SECTION I.

COMBUSTIBLE OR INFLAMMABLE MINERALS.

1. Lignites of Diralyledones

M. Perrottet, Esq., Agricultural Botanist at Pondicherry, Exhibitor.

“Found at the Horticultural establishment of Pondicherry, at the depth of forty feet. (Note of the Exhibitor.)

2. Lignites of Monocotyledones, *cocos nucifera* vel *Borassus flabelliformis*.

3. Lignites of fern trees, fibres arborescentes.

“These monocotyledone lignites were found in the Horticultural establishment at Pondicherry, at almost thirty feet depth. Samples of the same nature were previously discovered near the Government House, at a depth of sixty feet. Also in other parts of Pondicherry, which leads to the impression with some appearance of reason that this town and its neighbourhood is situated on what was once forest land.

SECTION II.

LITHOID MINERALS.

4. Meteorites or Aerolites.

“Detached fragment of a block weighing twenty pounds, which was found lying by another weighing thirty five pounds. These two pieces seem to have been united, it is impossible to determine accurately the date of their fall. We can affirm that there was nothing of this kind before 1849, in the place where they have been discovered, it must have had after that season that they were deposited there. This stone exhibits all the qualities of true meteorites, especially of those which fell at Benares, and perhaps of those at Chassigny near Lange, in 1815. It is well known that these aerial bodies resemble each other in their mineralogic and chemical nature.”

* Tiroovannamalay (District of this name) Monday of every week. Oil seeds for lamp, jagry, natchiny, black gram, green gram, rice, wheat, cloths, &c. This market, established in October 1814, seems to take a new extension every day.

Colianoor (District of Vijoopooram) Friday of every week. The same articles as in the market of Tiroovannamalay.

Tadapooram (same District) Monday of every week. Baskets and same articles as in the two markets above named.

Chettpet (District of this name) four times per month, Sunday cloths, iron utensils, &c.; established in 1848.

Araloorpett (same District) twice per month, Wednesday, several articles, established in 1849.

Ginji (same District) twice per month, established nearly four years ago.

(Note of the Exhibitor.)

5i. Petrified wood.

“ Found in the Horticultural establishment of Pondicherry.” Local Committee Exhibitors.

5 bis. Calcareous rock of Seedrapett, variety of Trichinopoly marble.

This rock is in abundance at the village of Seedrapett, situated at eight miles N. W. off Pondicherry, Terivicarny English territory, where they find the famous petrifications of this name.

CLASS II.

Local Committee, Exhibitors.

CHEMICAL AND PHARMACEUTICAL PROCESSES, MEDICINES, VEGETABLE AND ANIMAL.

6. Anethum Graveolens in Tamil Sada Kuppy.

“ Purchased in the market of Pondicherry.”

Poulli Appavoo Moodelliar, Exhibitor.

7. *Physalis flexuosa*, in Tamil Amukkanankelungu. Price two annas half kilo.

Dr. A. Collas, Superintending Surgeon, Chief Surgeon to the Medical Establishment in India, Exhibitor.

8 & 9. *Milabris Pustulatoe* and *Punctum*, sold in the Government Dispensary at Pondicherry, for one Rupee one Anna four Pice, half kilo.

These Blistering insects which were introduced in the French therapeutics by Dr. Collas, are favorably known by three reports of this honorable Physician, inserted in the Colonial Reviews of February 1856, February and August 1854, and by the 2d class medal which has been given him in the Madras Exhibition of 1855. They do not use other blistering substances in the Pondicherry Government Dispensary.

10. Shark liver oil, prepared at the Government Dispensary of Pondicherry.

“ The shark liver oil can, in case of necessity, supercede that of cod fish which medicine cannot be dispensed with, speaking of its use in chirurgical cases. This is the process followed in to preparing the shark liver oil. It is similar to that employed in India in the Honorable Company's territory.”

“ After having washed the liver with care, and rejected the gall, bladder, they cut it in pieces and boil it in a great earthen vessel for about 1 hour. The fire must not be too quick it must be constantly stirred with a wooden spatula. When the oil floats on the water it is skimmed. The residue left to settle in an open vessel for two days and then again boiled and the oil taken of the surface, this latter then undergoes filtration to clear it from impurities.

“ A cauldron and a wash pail are all that is required for this preparation.

“ Freshly prepared, the shark liver oil has a pretty amber colour, which I have seen ad-

vantageously compared to that of old brandy. Under a temperature of 30°, it is perfectly clear. Its smell and taste are almost the same as the cod liver oil. Sulphuric acid poured on the shark liver oil produces discoloration, similar to that which ensues on mixture with the cod-fish's oil.

The most transparent shark liver oil leaves even after many filtrations a considerable quantity of thick slightly grumous white matter. It is separated by the means of a single filtration. It is evidently sterine. I have given to it the name of *squalin* to distinguish it from the Commercial sterine; extracted from the liver oil after two or three filtrations, it is a thick, and fluent mass, which retains a certain quantity of oil. I do not hesitate to say that the squalin is an important acquisition for hot countries, and probably will be found useful in our arsenals.

“The shark liver oil is administered in all organic affections whose apparent symptoms are debility, when there is nothing wrong with the digestive organs.

“The shark liver oil has been carefully tried in the treatment of leprosy and although it has not succeeded in curing this almost incurable disease yet it appears from a “report of the Madras Medical Board on a trial of the *Hydrocotyle Asiatica*” that the shark liver oil has effected a considerable improvement in the condition of the lepers.

“*Chirurgical uses of the shark liver oil.* I have tried the pure shark liver oil for the treatment of wounds and ulcers very difficult to cure, and to which the inhabitants of hot countries are subject, especially those who live in unhealthy places where ulceration of skin is one of the indications or consequences of miasmatic poisoning. I do not hesitate to declare that for the treatment of bad ulcers, there is no remedy equal to squalin. In using the squalin, it is sufficient to spread it with a feather on the lint. As to the oil, pledgets of tow or pieces of lint are moistened with it and applied. It is advisable to cover the spot with a piece of plantain leaf or other vegetable in order to prevent the oil being absorbed by the remainder of the Bandage.

It will be easy to use this oil in the preparation of plasters and for making embrocations for rheumatism. The squalin could be employed as a medium for certain medicines used in the treatment of cutaneous diseases. It does not seem to grow rancid like *axonge* (?). It has besides a consistence greater than that of fat which becomes entirely fluid at the usual temperature of Pondicherry and which requires to be mingled with suet to give it a consistence equal to that of good pomatum.

“I am convinced that on board ship success will attend its application in the treatment of wounds caused by blows or falling.

“I have tried the cod liver oil also in the treatment of wounds and ulcers and did not meet with so much success as from the use of the shark liver oil. The cod liver oil did not seem to me to be superior to any other oil under this report.”

(Note of the Exhibitor.)

CLASS III.

SUBSTANCES USED PRINCIPALLY AS FOOD OR IN ITS PREPARATION.

The articles included under this head, are all drawn from the Establishment of Pondi-

cherry. They represent the most important products after indigo, and afford the greatest variety among the agricultural products of the country.

This variety is surprising considering the inefficient mode, followed by the Indian cultivator.

The products of the soil in Pondicherry and in the neighbourhood, are divided into three principal classes. Rices, other cereals and dry Pulses. Among the cereals besides rice, is placed *maize* commonly called *Indian wheat* and which is found, nevertheless, only in a degenerated state in the Peninsula; and the millets with their numerous varieties—wheat does not grow in Pondicherry. The nomenclature of nutritive grains and oil seeds and fruits that can be collected in the season and which constitute a valuable part of all that our territory produces shall be given hereafter.

After the scientific and tamil designation of each grain, is entered all the general information, which it was possible for the Committee to collect, especially that relating to the importance of products, both of home consumption, exportation, and commercial. All the grains are alluded to as articles of exportation, and sight must not be lost of the fact that they are shipped from the principal Ports including Karikal—but that Pondicherry takes but a small share in these transactions. In an agricultural point of view and one which chiefly concerns our Head Establishment, the following statistical information offers useful matter.

The total superficial area of the Establishment of Pondicherry is 52,242 Cawnies. The number of inhabitants is 75,759, distributed in 93 principal and 138 second rate villages, occupying 1,608 brick houses, 9,958 cottages, in all 11,566 dwellings. The total extent of cultivatable ground is 38,330 Cawnies. Total under cultivation on 13th of July 1855 was 35,912 Cawnies, 31,200 of which paid taxes amounting to 289,068 francs being at the rate of 8 francs 42 centunes per Cawny.

The land is irrigated by 9 principal canals supplied with river water, 57 Tanks, 53 Reservoirs, 192 courses or nullahs, 2,401 Wells and 171 small private ponds. At the period just alluded to the articles used for agricultural purposes were 1,323 Pikottas, 5,632 ploughs, 1,098 Cows, 10,038 working oxen, 1,822 Buffaloes, 15,312 sheep, goats and lambs, 86 Horses and 297 Asses. The production of the land, the extent of which has been given before amounts to 360,800 gallons or 216,504 hectolitres of Paddy and 263,460 gallons or 158,076 Hectolitres of other small seeds or grains making a total of 624,300 gallons or 374,580 Hectolitres of produce. The prices of rice yearly varies from 6 to 12 paras the Hectolitre and the difference between Kar and Sumba may be estimated at 10 per Cent.

PADDY.

1. *ORYZA SATIVA*, (variety). *Kuntane sumba*, August, 6-3. Much cultivated. Consumed generally by middling classes. Converted into rice. It forms an article of commerce, and is transported to many places. Hot and bilious. (See 8-14 Note 2.)

2. *ORYZA SATIVA*, *Kundom sumba*. April 4-3. Same observation. Flatulent.

3. *ORYZA SATIVA*, *Kattu sumba* or *annamoji*. April, 4-3. Much cultivated. It is generally used by middle classes. Bilious.

4. *ORYZA SATIVA*, *Kundani sumba*, April 4-3. Little cultivated. Consumptive generally by middle classes. Flatulent.
5. *ORYZA SATIVA*, *Kadei Kajuttane sumba* July or August, 7-3. Same observation hot.
6. *ORYZA SATIVA*, *Kurumbane sumba*, July 8-3. Little cultivated. Generally used by middle classes. Hot.
7. *ORYZA SATIVA*, *Kutteitambirane sumba* August 4-3. Same observation. Flatulent.
8. *ORYZA SATIVA*, *Milagu sumba*, August 6-3. Much cultivated. Used by rich classes. Transformed into rice. It becomes an article of commerce, and much is imported. Flatulent.
9. *ORYZA SATIVA*, *Muttu sumba*, June 4-3. Little cultivated. Used by rich classes. Hot.
10. *ORYZA SATIVA*, *Maleikuliki sumba*, August or September, 6-3. Same observation. Bilious and Cooling.
11. *ORYZA SATIVA*, *Peruvela sumba*, June 8-3. Much cultivated. Used by the lower classes. Transformed into rice. It forms an important article of commerce. Flatulent.
12. *ORYZA SATIVA*, *Palane sumba*, August or September, 4 3. Much cultivated. Used by rich classes. Flatulent.
13. *ORYZA SATIVA*, *Siraga sumba*, August, 4½-3. Little cultivated. Used by rich classes. Cooling.
14. *ORYZA SATIVA*, *Sirukadukkane sumba*, July or August, 6-3. Same observation. Hot.
15. *ORYZA SATIVA*, *Sittadiane sumba*, June, 8-3. Little cultivated. Converted into rice. Exportation limited. Flatulent.
16. *ORYZA SATIVA*, *Siraboga sumba*, August, 6-3. Little cultivated. Used by rich classes. Flatulent.
17. *ORYZA SATIVA*, *Perum sumba*, August, 6-3. Much cultivated. Used by all classes indiscriminately. Converted into rice. It is an important article of commerce. Flatulent.
18. *ORYZA SATIVA*, *Sembalei sumba*, August, 6-3. Little cultivated. Used mixed with other rices. Flatulent.
19. *ORYZA SATIVA*, *Karupu manakattei*, April, 4-3. Little cultivated. More for exportation than use. Employed by middle and poor classes. Hot.
20. *ORYZA SATIVA*, *Ajugalekar*, April, 4-3. Same observation. Flatulent.
21. *ORYZA SATIVA*, *Patteikar*, July, 4-3. Much cultivated. Great quantities con-

sumed at home and much also exported. Used by middle, especially poor classes. Flatulent.

22. *ORYZA SATIVA*, *Mosanakkar*, January, 4-3. Little cultivated. Used by middle and poor classes. Flatulent.

23. *HOLCUS SPICATUS*. *Kumbu*, June, 4-1. Kumbu and its varieties form the **most** ordinary culture in high grounds. It is sown as a first crop. The grounds after the Kumbu has been reaped, are cultivated with Indigo. Kumbu is used by the middle classes, and by poor cultivators. Its price varies from 3 to 6 francs an hectolitre.

24. *HOLCUS SPICATUS*, (variety), *Sinna kumbu*, April or May, 3-1. Same observation.

25. *HOLCUS SORGHUM*, *Segappu Cholem*, September or October, 4-1. Cholem and its variety have great affinities with sweet sergho (*andropogon niger*). The cultivation of which we are now attempting, at the invitation of the Marine Department. (See No. 52 of Nomenclature). The stems slightly sweet. Used as food for cattle, when paddy straw is scarce. Cholem is equally used as food by the middle and poorer part of the agricultural classes. It is less sought after than Cumboo. Its price varies from 2 fr. 50 c. to 5 fr. per hectolitre. Hot.

26. *HOLCUS SORGHUM*, *Vellei cholem*, September, 4-1. Same observation.

27. *HOLCUS SORGHUM*, *Mappu cholem*, September or October, 5-1.

28. *PANICUM MILIACEUM*, *Perum samei*, August or September, 4-3. Little cultivated. Used by the poor agricultural classes. Its price varies from 2 to 4 francs the hectolitre. Hot.

29. *PANICUM MILIACEUM*, *Varagu*, July or August, 5-7. Much cultivated. Used by the poor and agricultural classes. The straw is nourishing for cattle.

30. *CYNOSURUS COROCANUS*, *Kejvaraju*, July, 4-5. Much cultivated. Used by the middle and poorer agricultural classes. Its price varies from 5 to 6 francs the hectolitre. Hot.

DRY PULSES.

31. *PHASEOLUS MAX.* *Karuppupayaru*, August or September, 4-1. Little cultivated and sought after. Used like Ulundu. Cooling.

32. *DOLICHOS CULTRATUS*, *Sinnakaramani*, September, 4-1. Much cultivated. Used by all classes indiscriminately like Ulundu and other dry pulses, and as food for the cattle. Its price varies from 5 to 12 francs the hectolitre. Cooling.

33. *DOLICHOS TETRASPERMUM*, *Vellei mossecottei*, August, 6-1. Much cultivated. Used by all classes indiscriminately, alone or with other fresh pulses. Price 4 to 8 francs the hectolitre. Flatulent.

34. *GLYCINE TOMENTOSA*, *Karumkollu*, September, 4-1. Much cultivated. Used by the middle and poorer classes. It forms the food of horses and cows. Its price varies from 4 to 8 francs the hectolitre. Flatulent.

FRESH PULSES.

35. *DOLICHOS LABLAB*, *Avereivirei*, July, 6-1. Used by all classes indiscriminately. Hot.
36. *ÆSCHYNOMENE GRANDIFLORA*, *Agattivirei*, November, 12-10. Same observation. Cooling.
37. *CUCUMIS ACUTANGULUS*, *Pirkkamvirei*, July, 4-1. Same observation. Bilious.
38. *CUCUMIS ACUTANGULUS*, *Pirkkankai*, July, 4-1. Same observation.
39. *MOMORDICA CHARANTIA*, *Pagalevirei*, April, 4-1. Same observation. Flatulent.
40. *CUCURBITA LAGENARIA*, (uncoutha), *Sareivirei*, July, 6-1. Same observation. Cooling.
41. *TRICHOSANTHES ANGUINA*, *Pudalanevirei* or *pudolanvirei*, July, 4-1. Same observation. Hot.
42. *HIBISCUS ESCULENTUS*, *Vandeivirei*, July, 4-1. Same observation. Used in medicine as emollient. Cooling.
43. *HIBISCUS ESCULENTUS*, *Vandeikai*, July, 4-1. Same observation.

OIL SEEDS.

44. *COPRA* or almond of *Cocos nucifera*. Dried in sun. It is an important article of commerce. The production of the country is very limited, but they are procurable in abundance at Ceylon.
45. Seeds of *ARGEMONE MEXICANA*, *Birumarakassi*. It grows in a wild state
46. Seeds of *JATROPHA GOSSIFOLIA*, *Vellei amanakku*. Same observation.
47. Seeds of *JATROPHA GLAUCA*, *Eriamanakku*. Same observation.
48. Seeds of *SEMECARPUS ANACARDIUM*, *Serankottei*. Same observation.
49. Seeds of *BASSIA LONGIFOLIA*, *Illupecottei*. Much cultivated. Is an important article of commerce.
50. Seeds of *MELIA AZADIRACHTA*, *Veppamkottei*. It grows in a wild state. Little exported.

SECTION I.

AGRICULTURAL PRODUCTS, CEREALS, DRY PULSES, OILS, SEEDS AND FRUITS.

§ 1. Paddys.

11. *ORYZA SATIVA*, (variety), in tamil: *Kambane sumba*, sown in August, harvested in about four months, can be kept three years. (Exhibitor, Soupouraya Pillay, Member of the Exhibitions' Committee.) Little cultivated. Used generally by the middle classes. Considered by the Medical profession in India as flatulent.

12. *ORYZA SATIVA*, *Morane sumba*, (1) August, 5-3. (Poulle Appavoo Moodelliar, Exhibitor). Much cultivated. Used by the rich classes. Converted into rice. It forms an important article of commerce. Flatulent. (2)

(1) To avoid repetitions in all the nomenclature which is going to follow, the first number will indicate the number of months at whose ends the grains are gathered, and the 2d the number of years during which they can be kept.

(2) This observation and all others of the same kind which are going to follow, are derived from the generally admitted opinion of the Indian faculty. The Committee have no doubt but that great error exists in some of the opinions quoted, regarding the different properties of grains, &c., but thinking they may in some instances prove useful, they have thought fit not to discard them altogether.

13. *ORYZA SATIVA*, *Sinna sumba*, November, 4-3. (Local Committee) Much cultivated. Used by the rich classes. Flatulent.

14. *ORYZA SATIVA*, *Sadei sumba*, September, 5-4. Poulle Appavoo Moodelliar, Exhibitor). Same observation. Cooling.

15. *ORYZA SATIVA*, *Sivane sumba*, July, 6-5. (Exhibitor the same). Much cultivated. Eaten by the rich. The Europeans seldom use any other. Cooling.

16. *ORYZA SATIVA*, *Annadana kuru sumba*, July, 3-3. (Exhibitor the same). Little cultivated. Used by the rich classes. Flatulent.

17. *ORYZA SATIVA*, *Sirumani sumba*, August, 6-3. (Exhibitor the same). Same observation.

18. *ORYZA SATIVA*, *Peria sumba*, July or August, 6-3. (Exhibitor the same). Much cultivated. Used by middle classes. An important article of commerce. Flatulent.

19. *ORYZA SATIVA*, *Kerudane sumba*, August or September, 6-3. (Local Committee Same observation. Bilious.

20. *ORYZA SATIVA*, *Caluvaragane*, August or September, 6-3. (Poulle Appavoo Moodelliar, Exhibitor.) Little cultivated. Used by middle classes.

21. *ORYZA SATIVA*, *Pitchevary*, August or September, 6-3. (Exhibitor the same). Same observation.

22. *ORYZA SATIVA*, *Codane sumba*, March, April or May, 4-3. (Local Committee) Much cultivated. Used by the rich classes. Flatulent.

23. *ORYZA SATIVA*, *Kaivari sumba*, August or September, 6-3. (Poulle Appavoo Moodelliar, Exhibitor). Little cultivated. Same observation.

24. *ORYZA SATIVA*, *Manakattey*, April, 4-3. (Exhibitor the same). Little cultivated. Is grown more for exportation than use. Employed by middle and poorer classes. Heating.

25. *ORYZA SATIVA*, *Kar*, January, 4-3. (Exhibitor the same). Much cultivated. Is

an article of very great local consumption and exported largely. Used by middle and especially the poorer classes. Flatulent.

26. *ORYZA SATIVA*, *Senkar*, April, 4-3. (Exhibitor the same). Same observation.

§ 2. Millets.

27. *HOLCUS SPICATUS*, (variety), *Panikumbu*, November or December, 4-1. (Exhibitor the same). Kumbu and its varieties form the most ordinary crop in the high grounds. It is sown as a first crop. The ground after the Kumbu is cut is cultivated with Indigo. Kumbu is used by the middle and poor agricultural classes. Its average price is from 3 to 6 francs the hectolitre. Flatulent and bilious.

28. *HOLCUS SORGHUM*, *Cholem*, September, 4-1. (Poulle Appavoo Moodelliar, Exhibitor). Cholem and its varieties have very great affinities with sweet sorgho (*andropogon niger*), the culture of which has been recently tried at the suggestion of the Marine Department. (See below No. 32). Its stalks are slightly sweet and used as the food of cattle, but only when a deficiency of Paddy straw exists. Cholem is used as food by the middle class and poorer cultivators; but it is less sought after than Kumbu. Its price varies from 2 fr. 50 cs. to 5 fr. an hectolitre. Heating.

29. *HOLCUS SORGHUM*, (variety), *Alangara Cholem*, September or October, 4-1. (Local Committee). Same observation.

30. *HOLCUS SORGHUM*, *Muttu Cholem*, January to September. The ear of corn begins to form the third month. Local Committee). Same observation.

31. *HOLCUS SORGHUM*, *Mandara Cholem*, October or November. (Exhibitor the same). Same observation.

32. *ANDROPOGON NIGER*, Kunth.; *Holcus niger*, Gmel.; *Holcus nigerrimus*, Art, nec *Andropogon saccharatus*; Rosch.; nec *Andropogon saccharoides*, Sw.; nec *Sorghum saccharatum*, Pers.; *Sorghum nigrum*, Roem. certo. (Perrottet, Esq., Exhibitor.) The stalk of this Monocotyledone plant, newly introduced into India, is naturally very sweet, but of a nature quite different to that of common sugar-cane (*saccharum officinarum*.) Linn. It has lately been much spoken of in France, where it was introduced a short time back. It seems that they extract sugar from it, but not abundantly, it is especially considered as valuable on account of the alcohol which can be extracted from it and which it is said is of a very superior quality. It flourishes in Algeria, and is productive of very advantageous results. As regards its introduction at Pondicherry and in other intertropical countries we do not think that it will prove as advantageous as the sugar-cane, which has more saccharine matter considering its size, and which requires no extraordinary care although it takes seven or eight months to attain its maximum growth. Here, this *andropogon* fructifies and ripens its seeds in two and half or three months time provided the plant has been frequently irrigated especially in the dry hot season that is in May, June or July, which are the least favorable months for the vegetation of this plant. We think that in the cool season, viz., December, January or February, the stalks would acquire very considerable diameter, and give much saccharine matter. Its stalks generally in this season at least or at the moment

of the seeds coming to maturity or little before, get shrivelled and are very sweet, they certainly contain sugar, but not having had any means at our disposal to express the juice, we had to cut them into strips and macerate them in a given quantity of water. This water, after 24 hours maceration of the stalks was very sweet. Having charged a servant to boil this liquid until completely evaporated, in order to obtain from it the crystallized sugar, the operation did not succeed from want of proper attention. Notwithstanding, yet it is certain that sorgho contains more sugar than others of the same nature, which, it is well known all contain more or less. The *sorghum rubens* now called (*andropogon rubens*) especially contains a great quantity of sugar. (Note of the Exhibitor). To complete this series of interesting observations, see the *Moniteur Officiel des Etablissements Francais dans l' Inde*, of 29th February 1856 and 30th January 1857.

33. *PANICUM ITALICUM*, *Tenei*, April or May, 3-3. (Poulle Appavoo Moodelliar, Exhibitor). Little cultivated. Used as food by the poorer cultivators- It is an article of export. Its price varies from 3 to 6 francs an hectolitre.

34. *PANICUM MILIACEUM*, (variety), *Samei*, August or September, 4-3. (Exhibitor the same). Little cultivated. Used by poor agricultural classes. Its price varies from 2 to 4 francs an hectolitre. Heating.

35. *PANICUM MILIACEUM*, *Cadeicanny*, February or March, 2½-1. (Committee of Exhibitions). Little cultivated. Used by the poor class.

36. *CYNOSURUS*.....(?), *Natchiny attiquei*, March, April or May, 4-1. (Exhibitor the same). Same observation.

37. *CYNOSURUS*....(?), *Natchiny karine curuttei*, March, April or May, 4-1. (Committee of Exhibitions). Same observation.

38. *CYNOSURUS*.....(?), *Vellei natchiny*, March, April or May, 4-1. (Exhibitor the same). Same observation.

39. *PASPALUM FRUMENTACEUM*, (variety), *peruvaragu*, July or August, 4-6. (Exhibitor the same). Same observation.

40. *PASPALUM FRUMENTACEUM*, (variety), *Palacuruvaragu*, sown in May or June, transplanted on the 30th day, may be harvested the 70th day. (Exhibitor the same). Little cultivated. Same observation.

41. *PASPALUM FRUMENTACEUM*, (variety) *Curuvaragu*, August or September, 4-6. (Exhibitor the same). Much cultivated. Same observation.

42. *BAMBUSA ARUNDINACEA*, *Munquilvirei*. (Exhibitor the same). Little cultivated. Used rarely by the poorer classes.

§ 3. Dry Pulses.

43. *PHASEOLUS RADIATUS*, *Ulundu*, August, 4-2. (Poulle Appavoo Moodelliar, Exhibitor). Much cultivated. Used by all classes without distinction. Reduced to flour serves

to make cakes, it is given sometimes to horses as stimulating. Its price varies from 5 to 13 francs an hectolitre. Cooling.

44. PHASEOLUS MUNGO, *Passepayaru*, August or September, 4-1. (Committee of Exhibitions). Same observation. Reduced to flour, they use it in washing instead of soap. Its price varies from 4 to 12 francs an hectolitre. Flatulent and Bilious.

45. PHASEOLUS TRILOBATUS, (variety), *Panipayaru*, January or February, 3-1. (Exhibitor the same).

46. PHASEOLUS TRILOBATUS (variety) *Perumpayaru*, August or September 4-1. (Exhibitor the same). Little cultivated. It is used only with other pulses and to make cakes. Employed by all classes indiscriminately exported to Mauritius. Its price varies from 4 to 10 francs an hectolitre. Flatulent.

47. PHASEOLUS ? *Maleikulikkipayaru*, September, 4-1. (Exhibitor the same.) Very seldom cultivated. It is employed as *Ulundu* and other seeds which have been mentioned before. Its price varies from 5 to 6 francs an hectolitre cooling.

48. DOLICHOS ? *Sadeipayaru* August or September, 4-1. (Exhibitor the same.) Same observation as to *Perumpayaru*. Flatulent.

49. DOLICHOS CATIANG. *Karamany* December or January, 9-1. (Exhibitor the same.) Much cultivated. Used by all classes indiscriminately.

50. GLYCINE TOMENTOSA variety or DOLICHOS UNIFLORUS, *kollu* September, 4-1. Exhibitor the same Much cultivated. Used by middle and poorer classes. Forms the food of horses and cows. Its price varies from 4 to 8 francs an hectolitre. Flatulent.

51. GLYCINE SUAVEOLENS, *Cattukollu* September 4-1. Exhibitor the same. Grows in a wild state. It is used only in medicine Hot.

52. CCIER ARIETINUM, *Cadaley*, August, 6-1. Exhibitor the same. Purchased in market. It is not cultivated in the country. Used by all classes indiscriminately. It is given to horses as stimulating. At Bourbon and Mauritius, it is the common food of cows. Much is exported to those countries. Its price varies from 5 to 10 francs an hectolitre. Flatulent.

53. CAJANUS INDICUS, *Tuvarey*. July 5-1 (Poulli Appavoo Moodelliar Exhibitor) Same observation as for *Ulundu*. Its price varies from 4 to 8 francs an hectolitre.

54. DOLICHOS LABLAB, *Massokotley* August 6-1 (Committee of Exhibitions) Much cultivated. Used by all classes indiscriminately alone or with fresh pulses. Its price varies from 4 to 8 francs an hectolitre. Flatulent.

55. PISUM SATIVUM, *Pattany* September or October 8- (Exhibitor the same.) Little cultivated. Used by all classes indiscriminately.

§ 4 Oil Seeds and Fruits.

56. PAPAYER SOMNIFERUM, *Cassacassa*. (Exhibitor the same.) Little cultivated.

57. *ANACARDIUM OCCIDENTALE*, *Mundrikottey* (Exhibitor the same.) Much cultivated Planted from June to December, it begins to give fruit in the 5th year. It is gathered yearly. Its nut which is an exerescence coming above the fruit and known under the name of "*noix d'acajou*" is employed in sweatmeats for general purposes instead of almonds.

58. *SESAMUM ORIENTALE*, (variety) *Kurrellu* December or January 3 months and 10 days (Exhibitor the same.) Much cultivated. It is an important article of commerce.

59. *SESAMUM ORIENTALE*, (variety) *Kambattei ellu*, June or July 3 (Exhibitor the same.)

60. *ARACHIS HYPOGAEA*, *Manilakottey* July, August or September 6 or 7 same observation.

61. *RICINUS INERMIS*, *Peramanaku* March or April 3. (Exhibitor the same) Same observation.

62. *RICINUS COMMUNIS*, *Seltamanaku* March or April 3. (Exhibitor the same.)

SECTION II.

INTOXICATING DRUGS. FERMENTED LIQUORS AND SPIRITS OPIUM :

There is no distillery in the Colony, truly in an active state. Some isolated distillers painfully struggle under the monopoly regimen, to which spirits are submitted and produced only a small quantity of spirits necessary for Local consumption the committee doubt not but that the new Tax on spirits which comes into operation on the 1st January 58 will have the effect of putting a total stop to the Manufacture of spirits in the country.

63. *ALCOHOL* Godifroy, Esq. Exhibitor Price 1 Rs. 4 As. a bottle.

64. *MASSANOM* or *Bang*, Committee of Exhibitions. Price 6 As. and 3 Pice $\frac{1}{2}$ pound.

65. Sommits of *CANNABIS INDICA ganja sady*. It may be sown from June to September. Exhibitor the same. This plant, known under the name of *Indian hemp*, is not cultivated in our territory. The leaves reduced into powder mixed with jagry and other substances, serve to make a narcotic known under the name of *Bang* see the proceeding number.

SECTION III.

SPICES AND CONDIMENTS.

All the articles understood in this section were purchased at Pondicherry Market.

66. *CURCUMA LONGA*, *Mantjale* belonging to drimyrhizées ? family called *Indian saffron* Exhibitor the same. Very active aromatic stimulent generally employed in pharmacy and arts as yellow colouring matter. Its roots only are used. Price 2 As. a pound.

67. *AMOMUM ZINZIBER*, *sukku* belonging to *amumum* family from which it was separated by some authors Exhibitor the same. Powerful stimulent, employed in medicine it is used as condiment. Roots only are employed. Price 45 cs. a pound.

68. *TRIGONELLA FOENUM GRÆCUM vindium* Exhibitor the same. Seguminous family Stomachic boiled seeds furnish an abundant mutelage. Its seeds only are employed. Price, 5 pice a pound.

69. *CORIANDRUM SATIVUM Kottamally*. Exhibitor the same. *Ombelliferous* family Stomachic stimulate of digestive functions. Very much used as a *culinary*? Condiment. seeds only employed. Price 2 Annas.

70. *SISON AMMI omome*. Cultivated at Pondicherry. It is sown in November or December Exhibitor the same. Price 8 Rs. a pound. Little cultivated. It is ordinarily employed in Medicine.

71. *CUMINUM CYMINUM, Siragom*. Cultivated at Pondicherry Exhibitor the same. *Ombelliferous* family, aromatic and sudorific stimulant, it is mixed in food seeds only employed Price 10 As. 4 Pie 4 a pound.

72. *FÆNICULUM VULGARE, perum Siragom*. Cultivated at Pondicherry. They sow it in July, August or September 10. Exhibitor the same. Much cultivated. Price 2 As 6 Pice a pound.

73. *NIGELLA SATIVA, carumsiragom*. Cultivated at Pondicherry. It is sown in November or December 5. Exhibitor the same. Little cultivated. Price 1 Anna a pound.

SECTION IV.

FECULENT AND FLOURING SUBSTANCES. All the articles figuring under this section, are as yet produced at Pondicherry, only by way of experiment and not for profit. The richness of the country in feculent and flouring substances, will no doubt and eventually to the introduction of a branch of industry, susceptible of very rapid increase.

74. Flour of *MARANTA INDICA, Arrowroot*. J. Le Peltier, Esq., aide-commissaire of Marine at Pondicherry, Exhibitor.

“Season of gathering, November or December. Powder of a root having the same qualities as Manioc, excepting its nutritive principle which is trifling. They make cakes and other food for the sick from it. The physicians prescribe it in the form of clysters to subdue intestinal inflammations. People suffering from weakness of stomach make frequent use of it in Intertropical countries.” Note of the Exhibitor.

75. Flour of *JATROPHA MANIHOT*, flour of Manioc, *Mayakkijangumavu*. Exhibitor the same.

“Season of gathering, November and December. Plant of *Euphorbiacees* family. It is esteemed very much for its analeptic properties, powdered with a little West Indian nut, it is often recommended to strengthen the digestive powers of the convalescent. They denude root of its skin and having dried it for many days, it is afterwards reduced to a powder, by means of a mortar, an operation which produces the flour, which is then passed through a silk sieve. Price 5 annas a pound.” Note of the Exhibitor.

76. Flour of *JATROPHA MANIHOT*, flour of Manioc, *Mayakkijangumavu*. Filatriau, Esq., student, Pharmacien at Pondicherry.

77. Flour of tender root of *BORASSUS FLABELLIFORMIS*, *Ilapanankijangumavu*. Exhibitor the same.

78. Flour of *BORASSUS FLABELLIFORMIS* root, *Panankijangumavu*. J. Le Peltier, Esq. Exhibitor.

"Season of gathering, November and December. Extremely nourishing substance Prepared in the same manner as Manioc." Note of the Exhibitor.

79. Flour extracted from *MANGIFERA INDICA*, fruit, *Mamparuppumavu*. Exhibitor Mr. Perrottet.

"A New product which we think to be the first to make known, it is ordinarily white absolutely similar to arrowroot, when it is extracted in the ordinary season of the trees fructification which takes place generally in this country, from April to May. Here it is slightly green, the Mango fruit in this locality seldom coming to perfection. The fruit, from which this flour was made, was also obtained when out of season. This powder is prepared in the same manner as that from airemas, amomees and other plants of this kind. It is of an excellent taste and very beneficial to the sick and convalescent." Note of the Exhibitor.

SECTION V.

SUGAR SERIES.

§ 1. JAGERY.

Jagery, in tamil, *Vellum*, thick juice of a tree, serves principally to make sugar. Distilled with *acacia leucophloea's* bark, in tamil *velvelane pattei*, produces *arrack pattei*. (1)

(1). This liquor is made here ; it has not more than 18 degrees and is the ordinary drink of lower classes. It is sold at 8 annas the bottle ? . It is soon spoilt. The Committee therefore did not think it advisable to send a specimen of this article.

Besides various uses that they make of this substance in sugar-houses and distilleries, it is employed as food by the poorer classes, and they mix it in cement in certain parts of India, in order to strengthen the cohesive powers of the mortar. This last use, followed formerly at Pondicherry, where Legon de Flaix, Esq., is said to have obtained excellent results from it at the end of the last century, but this particular use has long been given up in this part of the coast.

80. Jagery of *COCOS NUCIFERA*, *Tennavellam*. Committee of Exhibitions.

81. Jagery of *BORASSUS FLABELLIFORMIS*, *Panavellam*. Exhibitor the same.

"On the coast of Orissa they employ the Jagery taken from date trees, *phœnix dactylifera*, in tamil *porissu*, which is of a very easy manufacture, producing a superior quality at less cost and trouble. This Jagery is very scarce on the Coromandel coast, in the neighbourhood of Pondicherry especially, and the Committee were unable to get a specimen of this article. The price of palmtree jagery, varies from 10 to 20 francs the 10 Hilogrammes.

§ 2. Sugar Series.

Pondicherry does not possess sugar Mills the sugar trade was followed there more than 30 years, the experienced succeeded was badly that at the present time no traces exist, except the remains of two old Houses or manufactories—one of which is a total ruin while the other has been transformed into an indigo manufactory. The only sugars which is manufactured here, to this day's date, within territory, is a thick syrup of a very inferior quality that the natives extract from palmtree's jagry, by mean of baking it in a simple earthen vase.

82. SACCHARUM OFFICINARUM *nallavellum* Exhibitor the same Rough sugar candy made by the natives. Price one anna 8 pie a pound.

83. Sugar of Borassees flabelleformis *Panankarkandee* Exhibitor the same Price 2 annas a pound.

CLASS IV.

VEGETABLE AND ANIMAL SUBSTANCES PRINCIPALLY EMPLOYED IN MANUFACTURES
BUILDINGS AND IN THE WAY OF DECORATION.

SECTION FIRST.

GUMS AND RESINOUS GUMS—RESINS AND CATCHOUC OR (*Indian Rubber.*)

The settlement of Pondicherry is not rich enough in jungles or Forests to admit of their being turned to any profitable account in the gathering or collection of Gums.

The following articles are exhibited only as isolated specimens, with the view of making known the different kinds of Gums collected in the country, to meet demands for home consumption.

84. GUM OF FERONIA ELEPHANTUM VILAMPISSINI (The Exhibition Committee.)

Very easily affected by the moisture or dryness of the atmosphere; dissolves quickly and entirely in water; and offers great advantages for employment in pharmacy and in the Arts.

Price 1 Franc 5 Centimes per livre French (Pound.)

85. GUM OF MELIA AZADIRACHTA VEPPAMPISSINI (Exhibition Committee.)

This Gum is generally employed only in Medicine Price 50 Centimes per livre.

86. GUM OF ACACIA ARABICA, KARUVILAMPISSINI (Exhibition Committee.)

Gum Arabic of middling quality always very dirty, generally used in pharmacy and in the Arts; Price 60 Centimes per livre.

87. GUM OF MORINGA PTERIGOSPERMA MURUNGAPISSINI (Exhibition Committee.)

The same observation as for the Veppempissini may apply;

Price 30 Centimes per livre.

88. The thickened juice of the *EUPHORBIA TIRUKALLY*, *TIRUKALLYPISSINI* (Exhibited by Mr. T. Souprayapoulle.)

SECTION II.

OILS.

Method of extracting relating to this section, the process of manufacture the means of obtaining Oils &c, see the Report of Mr. Gallois, Monttrun, on the Madras Exhibition of 1855: from page 64 to 90.

The settlement at Karikal possesses a Cocoanut Oil manufactory stopped at this moment: and a considerable number of native Mills, the exact number of which the Committee cannot give.

The Pondicherry settlement has 177 native Mills.

89. Oil of *COCOS NUCIFERA*, *Tengayennei* (Exhibited by Mr. Erny, Merchant at Pondicherry.)

"Cocoanut Oil not clarified, and not having been subjected to any process of preparation: price 4 Francs 65 centimes per measure of six quarts" Note by the Exhibitor.

90. Oil of *COCOS NUCIFERA*, *Tengayennei* Exhibited by Monsieur Godefroy stated by the exhibitor to be cocoanut Oil not clarified (essence of cocoa.)

Price 2 fr. 40 centimes per "litre."

91. Oil *RECINUS COMMUNIS*, or common castor Oil *Sittamanakku ennei* (Exhibited by the above.)

Price 1 Franc 20 Centimes per "litre."

92. Oil of the *ARACHIS HYPOGEA*, *Manilakotteyennei* (Exhibited by Monsieur Soubrayapoulle, Head Dubash of Messrs. Gravier and Co.

93. Oil of *BASSIA LONGIFOLIA*, *Illoupeyennei* (Exhibited by the same.)

SECTION III.

Substances for dyeing and tanning.

94. *INDIGOFERA TINCTORIA*, *Nilam* (Exhibited by the same, as above.)

The cultivation of Indigo has only been recently introduced into the South of India. It is hardly a century since clayed indigo was made in the province in the midst of which Pondicherry is situated: and the first attempts in the manufacture of *fine* Indigo, date only from the beginning of the present century. The Indigo produced in the District of South Arcot and at Pondicherry, known as "Madras Indigo," holds the lowest place in the market. This inferiority may be ascribed to two principal causes; the nature of the soil and the want of water, which prevent the plant from developing itself, as in Bengal and even in

Cuddapah, and also to the mode of fabrication, indigo being still, all round Pondicherry, drawn from the dry leaf, whilst, throughout the rest of India, this method has been gradually superseded by the working up of the green leaf.

Attempts are now being made to secure the disuse of the former method.

95. INDIGOFERA TINCTORIA, *Nilam* (Exhibited by Monsieur Parrassoorama Chettiar, merchant at Pondicherry.)

96. Grains of INDIGOFERA TINCTORIA, *Avirivirei* (Exhibited by Monsieur Poulle Appavoo Moodelliar.)

97. BIXA ORELLANA *Venneiseirei*, (Exhibition Committee.)

"*Rocou*" grows at Pondicherry, and in the surrounding country; but is little cultivated, being used by the Natives only for dyeing coarse stuffs of common quality. The colour obtained from it soon fades. The place where *Rocou* is the most cultivated is Mysore. The price of the *Rocou* grain in the Pondicherry bazar, is about 134 Francs per kilogram. It ought to be undoubtedly lower in the Mysore.

98. RUBIA MANJITH, *Mandittiver* (Exhibited by Mr. Y. Soupourayapoulle.)

99. OLDENLANDIA ? *Imbouraver*, (Exhibited by the same as above.)

100. MEMECYLON TINCTORIUM, *Cassa* (Exhibited by the same)

101. MEMECYLON TINCTORIUM (variety) *Vassa cassa* (Exhibited by the same.)

102. MORINDA UMBELLATA (variety) *saya* EITHER NUMAVERE (Exhibited by the same.)

103. MORINDA UMBELLATA, *Nuna* (Exhibited by Poulle Appavoo Moodelliar.)

This root yields a red dye less appreciated than that of the *Sayaver*. The price varies from 45 to 60 Francs per 100 Kilograms.

104. ARECA CATECHU, *Kalippaku* (Exhibition Committee.)

In addition to the well known uses of this substance, it is mixed in India with castor oil used as medicine, and with the Betel leaf which the natives chew.

Price 64 Centimes per livre.

105. COCHIN, *Kassukatti* (Exhibited by the same)

Price 60 Centimes per pound (livre.)

SECTION IV.

Vegetable textile Substances.

106. Cotton of the GOSSYPIMUM RELIGIOSUM (Exhibited by Monsieur Melidor Magry Clerk of Contributions, and of the domain of Pondicherry.)

The produce of an experiment made in a private garden of the town.

107. Cotton of the *Gossypium Arboreum Paruthipan'u* (Exhibited by Monsieur P. Tardivel, Assistant Apothecary at Pondicherry)

Very little cultivated : but is to be the subject of an attempt at *popularisation* by means of plants prepared in the experimental Agricultural Gardens.

108. Fibres of *Nelumbium Speciosum Tamareinul* (Exhibited by Monsieur T. Soupouroyapoulle.)

109. Fibres of *Pandanus, Tajeinar* (Exhibited by Poulle Appavoo Moodelliar.)

110. Cotton of *Gossypium Herbaceum* (Exhibition Committee.)

This Cotton has been gathered from the experimental Agricultural Gardens.

111. Cotton of *Gossypium Herbaceum*, (Exhibited by Monsieur Perrottet.)

“ Cultivated American Cotton, introduced about five years since—not yet extensively cultivated, but growing extremely well, and so to speak, and without care : at any rate requiring but very little This Cotton comes from certain self sown plants which have not been cultivated.

“ It is remarkably white, and fine and long in staple, but without elasticity. The size of the pods is very remarkable, and the quantity of cotton they contain, no less so. The shrub produces enormous ones after three or four months growth. It is the most prolific and productive Cotton Tree that I know of ; and lasts several years, by means of pruning *now and then*, at proper times.”

(Note by the Exhibitor.)

112. Cotton of *Gossypium Indicum* (Exhibited by the same)

“ Country Cotton growing wild in the (jungles.) Not cultivated as far as I know. The staple very long, tough elastic and of a dull white covered over with seeds of a green or greenish green colour. It is not cultivated as far as I know, and it would seem either to have escaped notice, or to have been omitted by the Botanists who have described this beautiful species, which is in my opinion, but ill-characterised. It is probable that the peculiar toughness of this cotton has in like manner remained un-recognised as regards manufacturing purposes, since the shrub has hitherto remained wholly uncultivated as far as my personal knowledge goes. I am however assured, that it is cultivated in the interior of the country and that it is to these peculiar qualities, that the stuffs manufactured from this staple, owe their solidity (strength) and power of retaining the colours printed on them, principally the blue colour.

“(Guinea Cloth (calico.) The common kind which is cultivated has equally its pro-
“perties.”

(Note by the Exhibitor.)

SECTION V.

Animal Textile Substances.

113. BOMBIX MORII (Exhibited by the same.) Yellow and white Cocoons. The ordi-
“nary means employed for obtaining these, are, to feed the worm with the leaves of the
“indigenoué (wild) Mulberry Tree, employing trellised mats for the formation of the
“Cocoon by this worm ; to gather in the Cocoons on the sixth day from their formation,
stifling the chrysalis before the Butterfly is hatched, and then winding off the Cocoons.
The silk thus obtained is wound up to 5-6 Cocoons and the standard is about 5 diagrammes
or about $7\frac{1}{2}$ grains (a French weight)

Properties and qualities. It yielding Raw Silk, such is produced in other parts of the
world : and which is either of good or bad quality, that is to say, rich or poor in silk, ac-
cording to the hardness or softness of the Cocoons.

Cost price $1\frac{1}{2}$ franc the kilo—sale price 2 francs 80 Cents to 3 francs the kilo.

1 Franc, 50 Centimes per Kilogram : price of sale, from 2 Francs 80 Centimes, also
per kilogram up to 3 Francs—period of gathering in, and sale : all the year round, provi-
ded leaves are available : the insect breeding ten times in the course of a year.

Amount of the crops unknown.

It is certainly a scarce article at present, no impulse or encouragement having yet
been given to the inhabitants but the country is capable of producing it in abundance.

(Note of the Exhibitor)

114. Cocoons of the ODINA WODIE (Exhibited by the same.)

“Cocoons of the Larvæ which feed on the leaves of the *Odina Wodie*.

(Note by the Exhibitor.)

115. Cocoons of BOMBIX MYLLITA, (Exhibited by the same.)

“Cocoons of BOMBIX MYLLITA, yielding the silk called “*Tussah*”

(Note by the Exhibitor.)

116. Yellow Cocoons perforated, having served for the reproduction of the species ; produced by the ninth, or last but one generation of the year 1856 : the tenth or last, which has taken place in December, not being yet completed that is to say, the worms springing therefrom, being still in course of education (growth) (not having attained maturity.

(Exhibited by the same.)

117. White Cocoons perforated having served for the reproduction of the species ; produced like the above, from the ninth generation of the year 1856.

(Exhibited by the same.)

118. Yellow and white Cocoons perforated, having served for the reproduction of the species called *trivoltini* produced from the tenth and last generation of the year 1856.

(Exhibited by the same.)

SECTION VII.

WOODS.

We have already observed that the territory of Pondicherry is too confined and too generally cultivated to afford room for many forest products. Extensively cleared however as it is, it presents a sufficient variety of trees to yield a very interesting collection of isolated specimens, for a series which the Committee are indebted to M. de Querret, Sub-Engineer.

121. *PHŒNIX SPINOSA, is'samarum*. A wild tree of the palm family. The timber is not used in carpentry. The leaf-stalks are made into baskets and the leaves into mats. According to the Exhibitor the tree does not exceed 20 to 25 centimetres in diameter.

122. *FERREOLA BUXIFOLIA, Trumbilimarum*. A wild shrub. The timber becomes brittle by exposure to the sun. According to the Exhibitor, the wood is very solid, and is employed for the same purposes being of a similar size as the holly.

123. *CASSIA FISTULA, Sarakkonereimarum*. A wild tree. The Exhibitor states that it is only used for making furniture and tools.

124. *SANTALUM ALBUM, S'andanamarum*. A wild variety of the Sandal ; it has no scent ; which it probably would have if it was suffered to grow to maturity. According to the Exhibitor the wood is employed for the same purposes as the true sandal.

125. *PHYLLANTUS MULTIFLORUS, Ve'lpula*. The Exhibitor states that the timber is only used for the handles of tools.

126.(?) *Velleimadareimarum*. A wild tree. Is used to make carts. According to the Exhibitor it is fit for large carpentry work. It occurs but rarely in the territory.

127. *EUGENIA RACEMOSA*, *Nircadappeimarum*. A wild tree ; occasionally used for large carpentry-work. According to the Exhibitor it attains a great size and serves for pillars and piles.

128. *BERRIA AMMOMILLA*, *savandileimarum*. An introduced tree, with a straight trunk and slender branches. It is employed in the construction of pandals and Huts. It serves also for making oars. The leaves are used in medicine for poultices. According to the Exhibitor it is a variety of No. 183.

129. (?) *Las's 'akettamarum*. An introduced shrub. Its leaves are used by the Hindus as vegetables. The Exhibitor states that the timber is no use but the leaves are employed in native medicine.

130. *BIGNONIA CHELONAIDES* *Padirimarum*. A cultivated shrub, found also in a wild state. It is used in the construction of ploughing utensils and wheels. According to the Exhibitor, the tree attains a great height ; the timber is strong and very elastic.

131. *CALYPTHRANTES JAMBOLANA*, *Nava'Imarum*. A tree occurring both cultivated and wild. It is employed in the construction of Huts and hulls of boats. According to the Exhibitor the timber is fit for all carpentry purposes.

132. *FERRONIA ELEPHANTUM*, *Velamarum*. A wild tree yields an abundant supply of a species of gum, like gum arabic. The leaves and roots are used in medicine. The Exhibitor states that the timber is employed like the preceding for all uses of carpentry.

133. *ACACIA LEUCOPHLEA*, *Velvelanemarum*. A wild tree ; used in the country for the construction of Huts ; the bark is employed in the distillation of arrack (see class III Section V).

134. *ACACIA LEBBEK*, *Cattuvajeimarum*. A cultivated tree, growing also in a wild state. The ryots use it to a great extent for their agricultural implements, in the construction of houses, &c. According to the Exhibitor, the timber is very solid &c. employed in the manufacture of ordnance.

135. *ODINA WODIER*, *Odia'nemarum*. A tree growing both wild and cultivated is employed sometimes instead of mango wood for making packing boxes &c : its wood is weak and light. The leaves serve for food to one of the species of wild caterpillars which produce *Tassar* silk. The Exhibitor states that planted on the edges of wells it is commonly used as a support for picotahs. The timber is of little use.

136. *TECTONA GRANDIS*, *Tekmarum*. A variety of the well-known teak tree.
137. *BOMBAX PENTANDRUM*, *Ilava'nemarum*. A tree growing both wild and in a cultivated state.
138. *FICUS RELIGIOSA*, *Alamarum*. Grows wild and cultivated is employed in the country for making Huts. The drops are made into Bullock yokes they are very strong and serve as poles for transporting their loads. The sap is used in medicine.
139. *PHILLANTHUS EMBLICA*, *Nellimarum*. A cultivated tree. The fruit is made into pickles and used a medicine. When properly seasoned, the timber is serviceable for joinery work and carpentry.
140. *ACACIA*.....(?) *Kon'apul'ia'nemarum*. A wild tree the timber is used for coarse carpentry work. The Exhibitor states that altho' it possesses the same qualities as the Acacia, it is little used.
141. *STRYCHNOS NUX VOMICA*, *Ettimarum*. Grows wild. The fruit, nut, leaves and bark are used in medicine the planks supply the natives and especially the Mussulmans with tablets on which to inscribe charms and superstitious prayers. The Exhibitor states that the timber is occasionally employed for making tool hand, agricultural implements and naves of wheels.
142. *ACACIA ARABICA*, *Vela'nemarum*. A wild tree. The wood serves for the fabrication of agricultural implements and its bark for tanning. The leaves we used in medicine and it yields a kind of gum in abundance (see No. 86). The Exhibitor considers it a variety of No. 132; it answers the same purposes.
143.(?) *Kattupavarasa'nemarum*. A wild shrub. The wood is used in carpentry and its fruit, leaves and bark are employed in medicine. According to the Exhibitor tools are made of it.
144. *UVARIA LONGIFOLIA*, *Assogamarum*. Grows wild the Exhibitor remarks that it is one of the most lofty in the territory. It is used in stones but is rarely worked up for use.
145. *MORINDA UMBELLATA*, *Nunamarum*. A wild tree. Fruit, leaves root and bark employed in medicine; the roots of a variety not growing larger, than a shrub yield a red dye (see No. 103). This is much cultivated in the South. According to the Exhibitor the wood is rarely used except for the sort of water casks called *Mirubadikattay*.
146. *MANGIFERA indica* (mango tree) *Mamarum*. Cultivated tree. Yields the mango fruit; bark employed in medicine; the young shoots and green leaves used by Bramins in various ceremonies. According to the Exhibitor, the wood serves to make packing cases and trifling carpentry purposes.
147. *FICUS RELIGIOSA* (variety), *Arasanemarum*. A tree found both wild and cultivated its leaves are used in medicine. The Exhibitor state that it is considered sacred and grows to a large size the wood is only used for boxes.

148. *ERYTHRINA INDICA*, *Kaliyanamurukkumarum*. Cultivated and wild. The wood is made into images the flowers fruit, and bark are employed in medicine.

149. *MELIA AZIDARACTHA*, *Veppa'nemarum*. Cultivated and wild. All parts of it applied to medical purposes the Exhibitor states that the timber is used for carriages.

150. ? *Madureimarum*. A wild tree the wood used for making cases &c, the bark and fruit for medicine.

151. *CORDIA OBLIQUA*, *Naruvilamarum*. A wild shrub, serves for no useful purpose according to the Exhibitor.

152. (Variety of No. 160).

153. *BOMBAX HEPTAPHYLLUM*, *Mullelava'nemarum*. Grows wild and cultivated furnishes a silk or wool for padding, little used. Yields a gum. The wood according to the Exhibitor is of no use.

154. *TAMARINDUS INDICA*, *Fulia'nemarum*. Found wild and in a state of cultivation the trunk is made into oil presses. It is also used for washing linen. According to the Exhibitor the timber altho' very common and of large scattling is only used for the presses above mentioned.

155. *PSIDIUM PYRIFERUM* (gouyavier), *Koyamarum*. A cultivated small tree, the fruit of which is the guava. The Exhibitor states that the wood is used for tool handles.

156. *BASSIA LONGIFOLIA*, *Iluppeimarum*. A cultivated tree. From the Kernels is expressed a very mucilaginous oil. The Exhibitor states the timber to be used in carpentry and joining.

157. *ARTOCARPUS INTEGRIFOLIA*, *Palamarum*. A cultivated fruit largely used by the people. According to the Exhibitor, the wood is excellent for joinery and cabinet making, it is first yellow and becomes brown by age.

158.(?) *Tatteipungueimarum*. A wild tree, all parts of which are used in medicine. The Exhibitor states the wood be used for door and window frames. It is solid and lasting.

159. *STERCULIA FETIDA*, *Kudireipidukkumarum*. Wild and cultivated. The Exhibitor describes the timber as very weak and only fit for slight cases.

160. *CASUARINA EQUISETIFOLIA*, *Vans'simarum*. Occurs Wild and cultivated. The bark yields tannin and an astringent for medicinal purposes; it yields moreover a dye the discovery of which is due to M. Jules Lepine first class Apothecary of the Navy at Pondicherry to whom medals were awarded for this product at the Exhibitions of Paris and Madras. The Exhibitor observes that although the timber is excellent for all carpenters and joiners work it is little used in India.

161. *SEMECARPUS ANACARDIUM*, *Serankotteimarum*. A wild tree, the fruit of which is used as a mordant. According to the Exhibitor the wood though of a good description is not used.

162. *ALANGIUM DECAPETALUM*, *Ajins'simarum*. A wild shrub. The fruit, leaves, bark and root are used in medicine. A kind of wood oil is extracted from it. The wood according to the Exhibitor is not used.

163. *MIMUSOPS ELENGI* *Magudamarum*. Grows cultivated and wild, its flowers are very fragrant. The Exhibitor states the wood to be employed in cabinet making.

164 ? *Munneimarum*. A small cultivated tree, also wild the Exhibitor considers it very scarce and says the Natives use its leaves for vegetables.

165 ? *Kavleimarum*. A small tree growing wild used for handles of tools. The Exhibitor says the wood does not last and is little used.

166 *SAPINDUS EMARGINATA*, *Manippunganemarum*. A wild tree used in cabinet making the nuts supply the place of soap for the toilet. The Exhibitor considers it to be a variety of No. 153 and to serve the same purposes.

167. *PTEROCARPUS BILOBUS*, *Vengueimarum*. A wild tree the bark of which medicinal. The Exhibitor states it is used in common carpentry.

168. *DALBERGIA HETEROPHYLLA*, *Tiranimarum*. A wild tree, the wood is said the Exhibitor to be used in joinery.

169. *BOMBAX GOSSTYPIUM* *Konjumarum*. Wild and cultivated. The wood is made into cases. The silk for padding is rarer and more esteemed than that of *Bombax pentandrum*.

170. *CRATEVA ROXBURGHII*, *Mivalingumarum*. Wild tree, bark, leaves and root used medicinally. The Exhibitor describes the wood as useful for turning.

171. *CALYPTRANTHES CARIOPHYLLIFOLIA*, *Navalemarum*. All variety of No. 13.

172. *MELIA AZIDARACHTA*, (variety) *Maleivembumarum*. Grows wild. Used to make Catamarans by the fishermen. The Exhibitor states to be also fit for turning.

173. *ANACARDIUM OCCIDENTALE*, *Mundirimarum*. Found wild and cultivated. Yields *cashew nuts*. The wood according to the Exhibitor is made into packing cases.

174. *CALOPHYLLUM INDIANUM*, *Pinneimarum*. A small tree growing wild. Is not used in carpentry; the flowers are very fragrant; the kernels yield an oil to be made into soap.

175. *FICUS*..... (?) *Kattatimaram*. A wild shrub the wood according to the Exhibitor being liable to the attacks of worms, is not used.

176. (?) *Velleipaleimarum*. A wild shrub. Made into furniture *Monbodi katties*. The Exhibitor states its timber to be Excellent.

177. *ZIZIPHUS JUJUBE*, *Elandeimarum*. Occurs both wild and cultivated the fruit is eaten by the natives the wood according to the Exhibitor is adapted for turning.

178. (?) *Kumilimarum*. A wild shrub the wood of which is stated the Exhibitor to be liable to split and is not used.

179. *PAVETTA INDICA*, *Tavaseimarum*. The Exhibitor states that it is only fit for right frames covered with leather.

180. *PREMNA INTEGRIFOLIA*, (variety). *Passumununneimarum*. Variety of No. 164.

181. *TECTONA GRANDIS*, *Teakmarum*. Variety of No. 136.

182. ? *Savundalemarum*. A wild tree. According to the Exhibitor it obtains to a large size and is only employed in coarse carpentry and carriage building.

183. *DALBERGIA SISSEO*, *Nukkamarum*. The timber is known by the name of *bith wood* (*bois de bith.*)

184. *BAUHINIA VARIEGATA*, *Manjareimarum*. Exhibited by M. Poulle Appavoo Moodelliar. Found both wild and cultivated. Used in the country for making Huts. The roots are medicinal. The wood is not hard.

185. *CÆSALPINIA PULCHERRIMA*, *Mairkonnereimarum*. The same Exhibitor. The above observations apply equally to this wood. The leaves flowers and roots are medicinal. It is of moderate strength.

186. ? *Kuttiopilamarum*. The same Exhibitor. A wild tree, used in the country for making Huts. Its leaves are employed in medicine timber very hard.

187. *CITRUS AURANTIUM*, *Narttanemarum*. Cultivated. It is sometimes used in the country for Huts. The fruits (oranges) are eaten. The leaves are employed in medicine. The wood is very hard.

188. ? *Attimarum*. The same Exhibitor. A wild tree, the fruit of which eaten It yields abundantly a sap supposed to have medicinal quantities and a kind of gum. The wood is carved into images and is very light.

189. ? *Attupavarassanemarum*. The same Exhibitor. A wild tree made into agricultural implements. The wood is not very hard.

190. *Porasanemarum*. A wild tree with large leaves. The fruits are used in medicine, the wood is light.

The articles comprised within this section are only, according to the Exhibitors experiments.

The skill, of which Mr. Determes has given numerous proofs since his arrival in India leaves no doubt on the minds of the Committee of the successful issue of his exertions.

191. Portions of CHARCOAL made of the Cocoanut, date and areca trees and of branches of feres.

192. STEARIC ACID obtained by a mixture of equal parts of mutton suet and Cocoanut oil.

193. STEARINE from Cocoanut oil.

194. STEARINE from Cocoanut oil (entering into the composition of No. 192)

The Exhibitor makes the following observation on the above mentioned articles.

“ I have no means of thoroughly pressing my manufactures they consequently contain some oleine and coloring matter which would entirely disappear under suitable pressure.

The colour in No. 193 is caused by the sulphuric acid I employed which was impure. The yellow tinge of No. 194 is owing to the remains of a certain quantity of oleine which my feeble press was unable fully to extract. I can make it as white as candle wax. In manufacturing on a large scale I could supply the candle at from 3½ to 4 fanams at a retail price including waste.

CLASS VI.

MACHINES AND UTENSILS EMPLOYED IN MANUFACTURES.

All the articles comprised in this class and in class VIII as also the larger portion of those, which appear under class XXII come from the establishment of Mr. Bulliard of Pondicherry.

The rapid progress and relative degree of perfection to which the working in iron and copper has attained in our Chief Colony are owing to the persevering efforts and eminently practical intelligence of Mr. Bulliard. This energetic person, who had at first great difficulties to overcome—has succeeded in collecting at Pondicherry an assortment of goods which is in many ways valuable the manufactures of sugar and the distillers of the French and of the English territories in the neighbourhood find there ; in addition to all the articles usually required for their purpose, such simple machines and appurtenances as are necessary for their business.

Here also all the public establishments and the vessels which frequent the port procure supplies of bedding, of iron ware, of carpentry &c.

Mr. Bulliard who obtained two medals at the Madras Exhibition of 1855, and whose business has been prosperously established at Pondicherry, for some years, deserves the patronage of the General Committee.

195. A VENTILATING MILL for cleaning gingilly seed large size—cleaning 50 sacks the hour.

Manufacturer and Exhibitor Mr. Bulliard Price 300 Rupees.

196. A SET OF SIEVES for gingilly seed.

Manufacturer and Exhibitor Mr. Bulliard Price 18 Rupees.

CLASS VII.

CIVIL ENGINEERING—INVENTIONS AND IMPROVEMENTS RELATING TO ARCHITECTURE AND BUILDING.

The model which appears under this class is produced by Mr. L. Guerre. Colonial Engineer. Chief of the Departments of roads and bridges—to whom Pondicherry owes the larger portion of the irrigation Works, which create its fertility and its wealth.

The bridged anicut at Mangalore through which the heavy floods caused by the hurricane of the 9th of December last passed without impediment must be considered proof against all accidents.

197. MODEL OF THE BRIDGED anicut constructed over the river Kondonveyar near the village of Mangalore—in the District of Villenam.

Exhibitor. Mr. L. Guerre Colonial Engineer Chief of the Department of Roads and Bridges at Pondicherry.

In an Artistic point of view—this work is chiefly remarkable for the system of leverage employed for moving the flood gates—this plan which has not been used previously in this country—unites the advantages of economy with simplicity, which renders it capable of being used by the natives.

CLASS VIII.

NAVAL ARCHITECTURE—MILITARY ENGINEERING ARMS AND ARTICLES OF GENERAL USE.

198. A double Traversing screw Jack.

Manufacture and Exhibitor Mr. Bulliard Price 40 Rupees.

199. IRON PULLEYS Price 40 Rupees.

200. PULLEYS—ON CAPER's plan with pins and sockets of steel.

Manufacture and Exhibitor Mr. Bulliard Price 50 Rupees.

201. A LAMP, (Laxtelle's plan) with a moveable reflector, for binnacles.

Manufacturer and Exhibitor Mr. Bulliard.

202. A VENTILATOR for emigrant ships, for the purpose of renewing the air between the decks—it can also be employed for Hospitals.

Manufacturer and Exhibitor Mr. Bulliard.

CLASS XI.

Articles manufactured from Cotton : Yarns, Calicoes, Muslins, &c.

The articles comprised in this class exhibit four of the principal manufactures of Pondicherry : viz. spinning by means of Machinery, weaving in the European manner,

weaving in the Native manner, and the weaving and dyeing of the particular description of cloths known by the name of Guinees.

The first idea of introducing into Pondicherry the spinning of Cotton thread by Machinery is due to M. Despassyns de Richemont, Governor General of the French Establishments in India, from 1826 to 1828. This happy conception was carried into effect in a manner equally zealous and intelligent : and, thanks to the combined efforts of M. Ch. Poulain, its able founder, and of the Government, which made large advances of money, the yarn, Manufactory of Ch. Poulain and Co. was enabled to supply one of the most pressing wants of the cloth Trade of India, and at the same time to ensure to its shareholders a greater amount of profit than had been originally expected.

This establishment, now under the management of M. de Saint Paul—a worthy successor to M. Poulain, has, since 1846, increased to 16,000 shuttles. There are three engines, of 66 horse-power in the aggregate : and the number of work-people on the premises is 500, men, women, and children. The out turn amount to 2,400 lbs. of Cotton. Yarn daily ; and this quantity is sufficient to meet the demands of a considerable number of weavers, who are established on the outskirts of the Town ; and is used chiefly in weaving the cloths called guinees. (see below.)

There exists, moreover, at Pondicherry, a second manufactory of Cotton yarn, less extensive than the one above mentioned. It is at present under the excellent management of M. Potier de la Houssaye.

At Pondicherry, the art of weaving in the European manner, like the manufacture of yarn, by Machinery, dates as far back as the Government of M. Debassayns de Richemont. The only remaining representative of this branch of Trade, the markets for which have of late years, and owing to a variety of causes, gradually fallen off, is now M. Godefroy, who gained two medals at the Exhibition of 1855, and who was recommended by this Committee to the favorable notice of the General Committee, in the following terms.

“ Thanks to the superiority of manufacture to which M. Godefroy has enabled the native weavers, and those who are of European descent, to attain, Pondicherry, as well as many of the surrounding English Towns, and most of the Regimental Messes of the Madras Army, have now table-cloths and table-napkins which in their finish, and in the quality of their damask, may be compared, at no very great disadvantage to themselves, with those of Europe.”

This Committee feels, that in February 1857, it is not called upon to suppress, or curtail, any of the remarks made on this subject, in February 1855.

Native weaving, has experienced, at Pondicherry, the same falling off as has taken place in it throughout India. Compelled, by European competition, to reduce its out-turn, its resources are now restricted, first to the cloths called guinees, the trade in which, after having become very slack for a time, now seems about to take a wider range ; and next, to the manufacture of the coarser kinds of cloth, used by the lower orders of natives. The Committee, surmising that this last-mentioned kind of cloth, which combines cheap-

ness with durability, may possibly create some interest at Madras, has thought it right to forward samples of the sorts principally in use.

Pondicherry contains 4,126 Looms, and a somewhat greater number of weavers. The last of the principal branches of Trade which belong to class XI is the Dyeing of the cloths called Guinees. In this respect, during 200 years, Pondicherry has experienced no falling off. On the contrary, the présent superior fineness of texture, owing to the yarn being now spun by Machinery, has necessarily caused a corresponding superiority in the appearance of the cloths, after dyeing.

There are 125 dyeing establishments in the territory of Pondicherry.

203. **COTTON SPUN from the GOSYPIUM RELIGIOSUM.** (Exhibitor, M. Melidor Magry, commis des Contributions et du domaine à Pondicherry.)

204. **THREAD, No. 18,** from the spinning establishment of Saint-Paul and Co. (Exhibitor Purserama Chetty, merchant of Pondicherry.)

Price 4 fr. 20 Cent. the five-pound packs.

205. **THREAD No. 19,** from the same establishment (same Exhibitor) same price.

206. **THREAD No. 12,** from the same (same Exhibitor) same price.

207. **THREAD No. 22,** from the same (same Exhibitor).

Price 4 fr. 80 Cent.

208. **A PIECE OF COMBAYE** $7\frac{1}{2}$ yards in length (same Exhibitor).

Price 4 fr. 20 Cent. the piece.

209. **Eleven yards of Drill** (same Exhibitor).

Price 5 fr. 40 Cent. the piece.

210. **A PIECE OF KINDA'NE,** made with European thread, eleven yards long, (same Exhibitor).

Price 4 fr. 20 Cent. the piece.

211. **A PIECE OF KINDA'NE** in two threads, eleven yards long (same Exhibitor).

Price 2 fr. 30 Cent. the piece.

212. **A PIECE OF KINDA'NE** in four threads, eleven yards long (same Exhibitor).

Price 4 fr. 20 Cent. the piece.

213. **A PIECE OF BLUE, CLOTH,** called guinee, of 16 conjons (qu. Punjums) weighing five pounds (Exhibitors, Messrs. Balakistna Purserama and Co., merchants of Pondicherry).

Price 9 fr. the piece.

214. A PIECE OF BLUE CLOTH, called guinee, of 12 conjons, weighing four pounds (same Exhibitors).

Price 7 fr. 20 Cent. the piece.

215. PIECE OF UNBLEACHED CLOTH, called guinee, of 16 conjons, weighing five pounds (same Exhibitors).

Price 6 fr. Cent. the piece.

216. PIECE OF UNBLEACHED CLOTH, called guinee, of 12 conjons, weighing four pounds (same Exhibitors).

Price 5 fr. 20 Cent. the piece.

217. A BAG woven and made up at the spinning establishment of Potier and Co. at Pondicherry ; used for packing oil-seeds (Exhibitor Purserama Chetty, merchant).

Price 90 Cent. the Bag. These Bags, whose quality and strength of texture admit of their being used singly, are sold again, second-hand, in Europe for 30, and even for 45 centimes. They have thus a great advantage over the Gunny Bags of Bengal.

218. DAMASK TABLE CLOTH, fringed on all four sides, 8 feet square (Maker and Exhibitor, M. Godefroy.)

Price 19 fr. 20 Cent. the piece.

219. SAME TABLE CLOTH without fringe (same maker and Exhibitor).

Price 16 fr. 80 Cent.

220. TABLE CLOTH, oil de perdrix, fringed on all four sides, six feet square, (same maker and Exhibitor).

Price 9 fr. 15 Cent.

221. SAME TABLE CLOTH, without fringe, (same maker and Exhibitor).

Price 6 fr. 75 Cent. the piece.

222. WORKED TOWELS, in double thread, for bathing, 3 feet square, without fringe (maker and Exhibitor, the same.

Price 14 fr. 40 Cent. the dozen.

223. WORKED TOWELS, for the toilet, without fringe, 3 feet square. (same maker and Exhibitor).

Price 12 fr. the dozen.

224. NAPKINS, damask and fringed, 24 inches square (same maker and Exhibitor).

Price 12 fr. 60 Cent. the dozen.

225. DAMASK NAPKINS, 24 inches square without fringe (same maker and Exhibitor).

Price 12 fr. the dozen.

226. DAMASK NAPKINS, 20 inches square, fringed (same maker and Exhibitor).
Price 8 fr. 40 Cent. the dozen.
227. SAME NAPKINS, without fringe (same maker and Exhibitor).
Price 7 fr. 20 Cent. the Dozen.
228. DAMASK NAPKINS, 30 inches long, by 20 broad, fringed (same maker and Exhibitor).
Price 12 fr. 60 Cent. the dozen.
229. SAME NAPKINS without fringe (same maker and Exhibitor).
Price 12 fr. the dozen.
230. TABLE NAPKINS, a grains d'orge, or with the nap on, 20 inches square fringed (same maker and Exhibitor).
Price 7 fr. 80 Cent. the dozen.
231. DAMASK TOWELS, for the toilet, 32 inches square (same maker and Exhibitor).
Price 24 fr. the dozen.
232. WORKED TABLE napkins, 30 inches by 20 with fringe (same maker and Exhibitor).
Price 7 fr. 20 Cent. the dozen.
233. SAME TABLE NAPKINS, without fringe (same maker and Exhibitor).
Price 6 fr. 40 Cent. the dozen.
234. NAPKINS, a grains d'orge, 30 inches by 20, with fringe (same maker and Exhibitor).
Price 10 fr. 80 Cent. the dozen.
235. SAME NAPKINS without fringe (maker and Exhibitor the same).
Price 11 fr. 20 Cent. the dozen.
236. DAMASK TOWELS, for the toilet, 36 inches by 24, with fringe (same maker and Exhibitor).
Price 18 fr. the dozen.
237. SAME TOWELS, without fringe (same maker and Exhibitor).
Price 18 fr. the dozen.
238. WORKED TABLE NAPKINS, 20 inches square, with fringe (same maker and Exhibitor).
Price 17 fr. 40 Cent. the dozen.

239. SAME TABLE NAPKINS, without fringe (same maker and Exhibitor).

Price 4 fr. 20 Cent. the dozen.

240. NAPKINS, oil de perdrix, 20 inches square, with fringe (same maker and Exhibitor).

Price 7 fr. 20 Cent. the dozen.

241. SAME NAPKINS, without fringe (same maker and Exhibitor).

Price 6 fr. 40 Cent. the dozen.

CLASS XIII.

ARTICLES MANUFACTURED OF SILK.

The Products comprised within this class as well as those already mentioned in Section V of class 4 are from the Silk Factory of Pondicherry—the Director of which is M. Perrottet—whose reputation as a learned Botanist is a sufficient recommendation, and one to which the Committee feel they cannot add.

The mere question of the production of Silk at Pondicherry in a theoretical and scientific point of view, has been already most satisfactorily settled by M. Perrottet. The future alone however can dispose of the matter, viewed in an industrial aspect.

242. BOMBYX MORII, yellow and white raw silk.

(Exhibited by M. Perrottet.)

(Model of manufacture. Threaded, crossed and made by means of the latest improved French Machines.

450. GRAINS. Cocoons 5-6.

Properties or distinctive qualities of the product, and its uses—very strong, elastic and brilliant in color and not liable to waste in winding Prime cost 12 Rupees 14 Annas a lb. present selling price at Lyons 39-8.

Produceable the whole year round—quantity of produce not yet precisely ascertained.

Scarcity or abundance of the article in the country, and the mean or average production per year—only one establishment for the production tried in the first instance, as an experiment and latterly manufactured for sale. If encouraged amongst the people, this product would yield considerable quantity in the course of a year. Is an important manufacture for India generally, but especially so for this part of it.)

(Note by Exhibitor.)

243. SILK THREAD from the cocoons after they have been left by the Larvæ of Bombyx Morii.

Prime cost 6 Annas 8 Pie a lb. selling price in Europe 1 Rupee 4 Annas or 1 Rupee 7 Annas 8 Pie per lb.

This article is tolerably abundant and easily enough obtained—is very beautiful and considered lasting wear. It is used in the manufacture of small shawls, caps, stockings, gloves, &c. and is in great demand and rather scarce in Europe.

(Note by Exhibitor.)

244. Floss silk of white cocoons or the outside covering of the larvæ of Bombyx Morii.

Prime cost 2 Annas a lb. highest. Price of sale in Europe from 13 Annas 4 Pie to 1 Rupee 8 Annas a lb.

Is used in the manufacture of silk hats, gloves, socks &c.

(Note by Exhibitor.)

245. Floss silk of yellow cocoons. The first threads spun by the larvæ of the Bombyx Morii: to attach its cocoon Which becomes the outside envelope or cover of the cocoon.

(Note by Exhibitor.)

Prime cost and price of sale—the same as the above named cuttings or scraps.

246. (TRESONS) from yellow cocoons prepared and drawn out used in the manufacture of ribbands, shawls, and various other articles.

(Exhibitor the same.)

Price 5 Annas 8 Pie a lb. selling price 1 Rupee 7 Annas 8 Pie a lb.

This product is both plentiful and precious and is as easily obtained as the cocoon.

(Note by Exhibitor.)

Cuttings or scraps (Kisons) from white cocoons prepared and employed for the same purposes as the preceding cost and selling prices the same.

(Note by Exhibitor.)

All these refuse portions of the cocoons being the first spun by the caterpillar are alike in their nature being prepared in the same manner—they vary however in price according to their strength and tenacity. They are all much sought after in France, where they are spun after having undergone the process of carding by Machinery.

(Note by Exhibitor.)

248. Raw and Roped thread Gloves dyed and knitted, of the latter from the pierced cocoons produced by the caterpillar which also feeds on the leaves of the Odina Wodies.

(Exhibited by the same.)

Method adopted in the manufacture the cocoons are first softened in a decoction of potash or ashes, then picked and cleaned, after which without having been either combed or carded are roped or wound. The Gloves are then knitted with the thread thus prepared.

Properties or distinctive qualities of the product and its uses. It is excessively strong tenacious elastic and glossey. It would scarce be possible to manufacture cloths of it, however—as the substance is so stiff and strong that after one or 2 washings they would become too hard for use—but this would be a new branch of industry in this part of India—which would doubtless become of real importance. This is not an industrial Product, the insect of caterpillar being only found in its wild state. The attempts which have been made to rear these in confinement have succeeded perfectly and have proved that it is possible to obtain 4 of cocoons in the course of a year, and that the raw silk thus produced is of excellent quality.

(Note of Exhibitor.)

249. RAW and Roped silk thread thrown from caterpillars which feed on the leaves of various trees.

(Exhibitor the same.)

Terminalia Catappa Syzygium Jambolanum, Zizyphus lotus, &c., names of the different trees upon which these silk worms feed.

Mode adopted in the manufacture. This product is also one which is not an industrial product. This insect like the preceding being only found in the wild state, although, if it were subjected to regular domestication, and training it would prove of great value to the country, and would amply remunerate the first manufacturers. The cocoons softened in a decoction of potash or ashes are picked and thrown.

Properties or distinctive qualities of the product. The small sample skein which we exhibit was wound as well as that of the *Odina Wodier* by a newly invented spinning-wheel—without undergoing the process of combing or twisting i. e. in its raw or normal state. The contents of the cocoons are easily emptied and produce raw silk called Tussah which as is well known, is excessively strong tenacious elastic and glossey all important qualities which are generally prized and sought after by silk Factors in all countries.

The caterpillar would be the more easy to breed as the trees, the leaves of which it prefers grow wild and bear the whole year round. It has also been ascertained by us that the *Bombyx Myllitta* the perfect insect which produces this larvæ breeds 4 times a year.

A certain number of these larvæ are now being reared in our silk worn nursery at Pondicherry.

(Note by Exhibitor.)

CLASS XIV.

MANUFACTURES FROM FLAX, HEMP AND THEIR SUBSTITUTES—ROPES OF ALL KINDS.

250. ROPE from the manufactory of Saint Paul and Co. weighing $4\frac{7}{8}$ lbs.

(Exhibited by Mr. Purserama Chettiar). Price 6 Annas a lb.

251. ROPE from the same manufactory weighing $4\frac{1}{8}$ lbs.

(Exhibited by the same) Price do.

252. ROPE from the same manufactory weighing 5 lbs.

(Exhibited by the same) Price do.

253. ROPE from the same manufactory weighing $\frac{1}{4}$ lb.

(Exhibited by the same) Price do.

254. ROPE manufactured of *Pandanus tajeikaya*'ru.

(Exhibited by Mr. Poulle Appavoo Moodelliar.)

CLASS XV.

CERAMIC ARTS, PORCELAIN POTTERY, &c.

255. CHINESE Bonze or Priest made of delph and coated over with a metalli varnish.

(Exhibited by Mr. A. de Babick Merchant of Pondicherry.)

256. CHINESE herdsman or spepherd on an ox made of delph and coated over with a metallic varnish.

(Manufactured and Exhibited by the same.)

CLASS XXII.

IRON HARDWARE, &c.

257. SAMPLE of Metallic cloth made at the establishment of Mr. Bulliard at Pondicherry.

(Manufacturer and Exhibitor Mr. Bulliard.)

258. SAMPLE of Metallic Cloth.

(Manufacturer and Exhibitor Mr. Godefroy.)

Price 6 Rupees a yard.

259. A Box of brass utensils for travelling.

(Manufacturer and Exhibitor Mr. Bulliard.)

Price 20 Rupees.

260. AN IRON cot—the cloth spun of Bengal thread at the establishment of Mr. Bulliard.

(Manufactured and Exhibitor by the same.)

Price 25 Rupees.

CLASS XXVII.

ARTICLES MANUFACTURED WITH MINERAL SUBSTANCES AND EMPLOYED IN BUILDING OR FOR DECORATION, SUCH AS MARBLES, SLABS, PORPHYRY, ARTIFICIAL STONES.

The Committee consider it their duty to call attention to the interesting article comprised in this class, the importance of the Hydraulic Works in India, the excellence and cheapness of the Cement exhibited by Mr. Carriol would appear to justify the expectation that this article will come into most extensive use in the Country.

261. Artificial Block in Hydraulic Cement (Exhibitor Mr. Carriol conductor of Bridges and Roads of the 1st class at Pondicherry.)

262. Fragments of Hydraulic mortar and Bricks joined with the same mortar, which have been immersed for a year in Sea Water and have attained to an extreme degree of hardness (Exhibitor the same.)

263. Artificial Hydraulic lime (Exhibitor the same.)

The Exhibitor makes the following observations on the above three articles. The
“ Hydraulic lime contained in the first bottle was made on the 20th December 1855 in the
“ usual manner with the exception of some modifications introduced in the mixtures in the
“ relative proportion of the silicious earths and the degree of heat required for its preparation.

“ It may be used pure with a mixture of one quarter of fine sand, for the interior
“ coverings of Cisterns and other reservoirs intended to contain water.

“ Mixed with a third part of ordinary lime and one third of fine sand, it gives an excellent mortar which can be used for foundations in fresh or salt water. It begins to
“ harden twenty four hours after immersion and continues to do so for a year when it attains
“ its extreme degree of hardness and will bear comparison with that of a brick of the first
“ quality of this country.

“ It is not necessary to wait that length of time before building on it—provided
“ Hydraulic Cement is used for the base of the foundation, after five or six days of im-

“ mersion, you may without fear erect—any kind of masonry on it. In weight of the
 “ masonry indeed only accelerating the process of hardening by compressing the mortar
 “ pits the little cavities which are apt to form during the process of *drying* ?

“ The Artificial Block which I have the honor to exhibit has been manufactured with
 “ a similar mortar. It was placed in the sea immediately after it was made and remained
 “ there during a whole year constantly covered with water.

“ The two pieces of brick contained in the second bottle have been joined by a mortar
 “ similar to that of the Block and have been immersed in Sea Water during the same length
 “ of time. It is now easy to satisfy ourself from the appearance of the mortar that it has
 “ acquired a hardness greater than that of the brick itself.

“ The fragments of mortar contained in the same bottle, are of the same manufacture
 “ and show by their hardness acquired in the water in which they are now immersed a
 “ degree of utility, of economy and of durability in work, which will, I hope, be appre-
 “ ciated by the Jury.

“ The samples which were shown at the Exhibition of 1855 were of a very inferior
 “ quality to those now exhibited. They had only been immersed for fifty days and con-
 “ sequently had not acquired the extreme degree of hardness. There was besides an error
 “ in the Hydraulic lime, the mixtures having been made with an earth containing a large
 “ quantity of soda, the principal cause of their failure when exposed to the air.”

(Note of Exhibitor.)

CLASS XXX.

FINE ARTS, INCLUDING, COINS, BOOKS ETC.

264. STUDIES on the Civil Law of the Hindoos ; researches in comparative legislation on the Laws of India, the Laws of Athens and of Rome and the customs of the Germans, by E. Gibelin Solicitor General at Pondicherry. A Toutin and E. V. Geruzet Printers to Government 1846—1847. (Exhibitor Mr. Geruzet Chief of the Government Printing establishment at Pondicherry.)

265. REPORT to His Excellency the Governor of the French Possessions in India, of the Exhibition opened at Madras on the 20th February 1855, by Mr. A. Gallois, Montbrun Collector and President of the Commission of Agriculture and Commerce, Pondicherry, Geruzet, Printer to Government (Exhibitor the same.)

266. *MANUAL OF HINDOO LAW* and of Civil and Criminal Legislation adopted to the French Possessions in India dedicated to M. leContre Amiral deVerninac Saint Maur Governor of the French Possession in India, by F. N. Laude, Imperial Judge at Chandernagore, Pondicherry, E. V. Geruzet. Printer to Government.

1856. (Exhibitor the same.)

267. Proof Impression. Tamil and French (Exhibitor the same.)

Pondicherry 10th February 1857.

The President of the Exhibition Committee, A. G. Montbrun.

P. S.—All the scientific denominations included in the preceding nomenclature (those furnished by the Exhibitors themselves, excepted) as well as the observations appended to the list of articles composing Section III. of Class III. and Section I. of Class IV. are due to Mr. Nozeille Secretary to the Committee. His departure for France at the time that I drew up this nomenclature has prevented its value from being enhanced by the addition of his signature.

SUPPLEMENT.

CLASS II.

CHEMICAL AND PHARMACETICAL PRODUCTIONS, AND PROCESSES ; VEGETABLE AND
ANIMAL SUBSTANCES EMPLOYED IN MEDICINE.

SECTION 1ST.

CHEMICAL PRODUCTIONS AND PROCESSES USED IN MANUFACTURES AND ARTS.

5. A specimen of Prussian Blue manufactured at Pondicherry (manufacturers and Exhibitors. M. M. Rungasawmy Moodelly and Soudourayapoulle, member of his Exhibition Committee at Pondicherry.

“ This production is the result of an attempt. The Exhibitor can engage to deliver
“ 25000 lbs. per annum of a superior quality to that of the sample exhibited at 3 fr. per
“ lb.”

(Note of Exhibitors.)

SECTION II.

ANIMAL AND VEGETABLE SUBSTANCES EMPLOYED IN MEDICINE.

POODOOCOTTAH.

Excellency Ramachundra Tondiman.
Bahaudur Rajah of Poodoocottah.

RAW MATERIALS.

MINERAL KINGDOM.

- 9178 Coperas.
- 9179 Fleshy Coperas.
- 9180 Soap Manufacturing Earth.
- 9181 Bangles do. do
- 9182 Earth salt.
- 9183 Salt Manufacturing earth.
- 9184 Lime stones.

VEGETABLE KINGDOM.

GRAINS.

- 9185 Mottag cooroovey Paddy.
- 9186 Coolodichaw do.
- 9187 Aravadan cooroovey do.
- 9188 Varagoo.
- 9189 Tenay.
- 9190 Cooroday Valee Paddy.
- 9191 Capay.
- 9192 Samay.
- 9193 Cacacholem.

MACHINERY ARMS.

- 9194 Spears.
- 9195 Bow and arrow in one.

MANUFACTURES.

- 9196 Images cat in Nuts.

HORNS.

- 9197 Box.
- 9198 Do. of inlaid work.
- 9199 Vessels of different sizes.
- 9200 Cup.
- 9201 Do. Small.
- 9202 Watch like Box and chain.

WOODS.

- 9203 Boxes.
- 9204 Flute.
- 9205 Jamboos Vypalay.
- 9206 Cup do.
- 9207 Coojas do.
- 9208 Chomboo.
- 9209 Cups.

- 9210 Rectangle Box for writing.
- 9211 Boxes died after the Tortoise shell fashion.
- 9212 Walking canes.
- 9213 Water sprout.

IVORY WORKS.

- 9214 Puppets.
- 9215 Combs.
- 9216 Cups.
- 9217 Goolab daus.
- 9218 Jawboos.
- 9219 Boxes of different sizes.

WAX WORK.

- 9220 Vegetable likes of different kinds.
- PITH WORK.

- 9221 Collectors Cutcherry.
- 9222 Cavary Bridge.
- 9223 Native Pagoda.
- 9224 Catholic Church.
- 9225 An English lady with two children.
- 9226 Do. do do.
- 9227 Native Pairs.
- 9228 Visvanadasawmy Secretary to Poodoocottah.

EARTH.

- 9229 Lumps of melted earth of Bangels.
- 9230 Bangels of different colours.

LEAVES.

- 9231 Palmira Fans.

SILK WORK.

- 9232 Red Pattadai Duppatal.
- 9233 Oodooratty Cheddy.
- 9234 Vanoogopalsawmy.
- 9235 Mysasoor Mardang.

LACE WORK.

- 9236 Muslin with lace and silk work yards 5½.

TIN.

- 9237 Self moving carriage.
- 9238 Ink horn and sand Box.

COUNTRY MARBLE.

- 9239 Paper weights 6.

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RAJAHMUNDRY.

Exhibition Nos. corresponding with those of Local Committee.

LOCAL COMMITTEE No.	PROGRESSIVE No.	LOCAL COMMITTEE No.	PROGRESSIVE No.	LOCAL COMMITTEE No.	PROGRESSIVE No.
1	3822	29	3897	46	8425
2	3823	30	3898		8426
3	3824	31	3898		8427
6	3826	32	3894		8427½
4	3825	33	3909		8428
5	3827	34	3896		8428½
7	3828	35	3831		8429
8	3821	36	3921		8430
9	3829	37	3922		8432
	3830	38	3923		8431
10	3832	39	3915	16	8433
	3833	40	3910		3844
11	3834	41	3911	24	3923
12	3836	42	3912		8307
13	3837	43	3913	18 & 19	8308
	3838	44	3914		8309
	3839	45	3916		8310
14	3840	46	3917		8311
	3841		3910		8312
	3842		3804		8313
15	3843		3805		8314
20	3899		3806		8315
	3900		3817		8316
	3901		3816		8319
	3902		3803		8320
	3903		3809		3846
	3904		3813		3847
	3905		3815		3848
	3906		3807		3849
	3607		3819		3850
	3908		3811		3851
21	3881		3814	25	3852
	3882		3818		3853
22	3883		3812		3854
	3884		8415		3855
	3885		8416		3856
	3886		8417		3857
23	3887		8418		3858
	3888		8419		3859
	3889		8420		3860
	3890		8421		3861
26	3891		8422		3862
27	3895		8423		3863
28	3892		8424		3864

RAJAHMUNDRY.

Exhibition Nos. corresponding with those of Local Committee.

LOCAL COMMITTEE No.	PROGRESSIVE No.	LOCAL COMMITTEE No.	PROGRESSIVE No.	LOCAL COMMITTEE No.	PROGRESSIVE No.
25 {	3865	25 {	3871	47	3877
	3866		3872	48	3878
	3867		3873	49	3879
	3868		3874	17	8318
	3869		3875	50	8317
	3870		3876	51	3880

RAJAHMUNDRY.

THE Local Committee regret that a larger number of Native Exhibitors have not come forward on the present occasion. Every possible care was taken to make the objects of the Exhibition known throughout the Province, and a very large number of notices in the vernacular were distributed. At the last Exhibition the greater portion of the articles exhibited, cloth of various kinds, were purchased by the Local Committee. It did not appear to the Committee, that any useful end would be attained by purchasing and forwarding manufactured articles of a similar kind on the present occasion.

Goroo Pariah, Exhibitor.

- 1 Long Cloth, Fifty-six Punjum, yards thirty, Rs. 100.
- 2 Long Cloth, Forty Punjum, yards thirty, Rs. 50.

Uukum Tautiah, Exhibitor.

- 3 Long Cloth, Forty Punjum, yards thirty-two, Rs. 55.
- 6 Izaree, Thirty Punjum, yds. sixteen, Rs. 16.

Bullah Purvatauloo, Exhibitor.

- 4 Long Cloth, Fifty Punjum, yards thirty-two, Rs. 80.
- 5 Long Cloth, Forty-nine Punjum, yds. thirty-two, Rs. 70.

Janah Tautiah, Exhibitor.

- 7 Long Cloth, Forty-six Punjum, yds. thirty-two, Rs. 70.
- Condah Soobbunnah, Exhibitor.

- 8 Long Cloth, Forty-six Punjum, yds. thirty-two, Rs. 70.
- Pitcheka Polesetty, Exhibitor.
- 9 Fine Long Cloth, 2 pieces, Rs. 180.

All the above made with thread spun by hand in this District.

Bunky Baupunnah of Nursapoor, Exbr.

- 10 Palampores, two, large, Rs. 28.
 - 11 Do. do. small, Rs. 14.
- Bylimsaheb of Rajahmundry, Exhibitor.

- 12 Tent Carpet, four yds. square Rs. 14.

Moochee Lutchman, Exhibitor.

- 13 Gold embroidered Pouches, four, Rs. 4 each.

Mogunty Namussevoy of Toony, Exhibitor

- 14 Daggers, two, Rs. 8 each.
- 15 Knife, fine steel, Rs. 5.

The Local Committee, Exhibitors.

- 20 Leopard skins, nine, dressed.
- Tiger skin, one, do.
- 21 Wild buffalo horns, 2 pairs.
- 22 Elk horns, four pairs.
- 23 Stag horns, four pairs.

Sutty Gungereddy, Exhibitor.

- 26 Hemp (*Janapanar*) 1 maund, Rs. 2.
 - 27 Kittanar, one viss, As. 12.
- Sutty Ramerreddy, Exhibitor.
- 28 Hemp, one maund, Rs. 1-2.
 - 29 Cotton, 2 maunds, Rs. 3-3-2.

Covoory Soobbareddy, Exhibitor.

- 30 Hemp, one maund, Rs. 1-2.
- 31 Rush Cotton (*Jammoodbody*), one maund, Rs. 2-4.

Sutty Nursereddy, Exhibitor.

- 32 Hemp, one maund, Rs. 1-2.
- 33 Tobacco, 2 maunds, Rs. 5-5.

Elapakooty Ramannah, Exhibitor.

- 34 Gogoonar, 1 maund Rs. 2-8.
- Chagondy Narrainaswamy of Doddeputla, Exhibitor.

- 35 Fine Long Cloth, 1 Piece, Rs. 80.

- 36 Model of machine for crushing Sugar cane.

- 37 Improved do.

- 38 Model of machine for raising water.

- 39 Cigars, two hundred, @ 8 As.

- 40 Imitation Manilla Cheroots, two hundred and fifty, @ 1 Rupee do.

- 41 Large Cheroots, two hundred and fifty, @ 8 Annas ½ hundred.

- 42 Do. do. do. @ 6½ As. do.

- 43 Do. do. do. @ 4½ As. do.

- 44 Do. do. do. @ 5½ As. do.

- 45 Sugar, two maunds, @ 3½ Rs. ½ maund.

- 46 Mattress without seams, Rs. 25

F. L. Moncrieff, Esq. Civil Engineer, in charge of Dowlaishwarum Workshop, Exhibitor.

Model, Passengers' transit boat, designed and constructed for the Rajahmundry Navigation Company, January 1856 — scale, 1½ inch to a foot. Boats on this model now daily ply on the canals between Dowlaishwarum, Cocanada, Coringa and Samulcottah.

Jib Crane, Rs. 550.

Double geared Crab Winch, Rs. 176.

Single do. do. Rs. 121.

Cotton spinning Machine.

Rope making Machine with

hemp Crushers, &c. complete.

- 9 Inches Iron house Pump, 270.
 4½ do. do. do. 60.
 Screw pile (Iron).
 One set Tram wagon, wheels, 135.
 Wood-Turners Lathe, 370.
 Specimens of woods.
 Do. do. Rope and Hemp.
 Cotton Rope Machine.
 Six Iron Blocks. [works.
 Charcoal Pipe, as used in sugar)
 Mr. W. C. Malley, Superintendent, Dow-
 laishwarum Work-shop, Exhibitor.
 Model of Saw Mill, invented
 by himself.
 Charles Rundall, Esq. of Razole, Exbr.
 Auranta Wine, 1 doz. quarts,
 Rs. 12—the genuine product
 of Indian fruits, manufactured
 in the manner adopted in the
 Wine Districts of Europe.
 White Wine Vinegar, made
 from the lees of Wine, ½ doz.
 Rs. 2-12.
 Cassava flour, produced from
 the dried roots of Jatropha
 Manhiot, 20 lbs., Rs. 3-12.
 Tapioca powder, obtained by ex-
 pressing the fresh roots of Ja-
 tropha Manhiot, 20 lb. Rs. 7-8.
 Tapioca, the above powder gra-
 nulated by the application of
 heat, 20 lbs., Rs. 13-12.
 C. R. Pelly, Esq. Exhibitor.
 16 Iron ore and Iron from the
 Taudemullah Talook.
 Twenty specimens of different
 kinds of wood.—
 Toommedechava.
 Teak.
 Ratigoo.
 Sómee.
 Veroogoodoochava.
 Condatungadoo.
 Pauchebulla.
 Boodathnmínee.
 Bundaroo.
 Peda Vagesa.
 Ippabulla.
 Peddapalloo.
 Tadybulla.
 Muddy.
 Diresena.
 Bottooka.
 Pedamanoo.
 Jecdee.
 Pucharoo.
 Tappisa.

The trees of which these woods
 are specimens are, it is stated,
 found in considerable quanti-

ties in the forests of Ganapa-
 varum, Nagavarum and Peda
 Copillallah Mootahs of the
 Taudimulla Talook, Rajah-
 mundry District; they are
 situated within 30 miles of
 Yernagoodem, which is the
 Talook Cuspah station, and
 within about 42 miles of Nid-
 davoile, whence there is water
 communication to Nursapoor
 and Cocanada.

A. Purvis, Esq. Exhibitor.

18 Specimens of barks, dyes, &c.

19 Do. of gums, thirty-one.

Collected in the hill Taiooks of
 the District.

N. C. Gopaulachary, Exhibitor.

25 Specimens of dyes and gums.

47 Do. of wood Pauchekurra.

48 Do. of Bundaurookurra.

49 Do. of Peda Vagesakurra.

F. N. Hawkins, Esq. Exhibitor.

17 Specimen of Iron from "Ya-
 munpilly" a village on the
 right bank of the Praneeta,
 a tributary of the Goda-
 vary, about 20 miles from
 the junction, and 250 miles
 from Dowlaishwarum. The
 ore, which is said to be
 very abundant, is procured
 in the adjacent hills, and
 smelted with charcoal; the
 Iron sold, retail, at 1 Rupee
 per maund of 25 lbs.

50 Kathemundoo—

used by Natives as a glue,
 or gum, obtained by boiling
 the milky juice of a tree
 called Kathemundoo chet-
 too—sample sent is produ-
 ced from trees near Anna-
 varum, a stage south of
 Toonee in this District.

The Hare Island on the
 Chilka Lake in Ganjam
 abounds with this tree.

51 Chamoodoo—

obtained by boiling milky
 juice of a tree called "Cha-
 moodoo chettoo" milk hedge.
 The Natives of Ganjam
 prefer it to the former, for
 fixing the handles of their
 wood-cutting knives, it be-
 ing, they say, tougher and
 more durable. It is with-
 out the offensive smell of
 the Kathemundoo.

SALEM.

Exhibition Nos. corresponding with those of Local Committee.

LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.	LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.	LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.
<i>Cloths.</i>		<i>Fibres.</i>		68	2373
				69	2374
				70	2375
1	2392	36	2447	71	2376
2	2428	37	2448	72	2377
3	2397	38	2459	73	2378
4	2393	39	2460	74	2379
5	2394	40	2461	75	2380
6	2395	41	2462	76	2381
7	2396	<i>Sundries.</i>		77	2382
8	2426			78	2383
9	2427			79	2384
10	2420			80	2385
11	2421	42	2453	81	2386
12	2472	43	2454	82	2387
13	2473	<i>Roots and Dyes.</i>		83	2388
14	2468			84	2389
15	2469			85	2390
16	2476			86	2391
17	2477			87	2398
18	2422	44	2455	88	2399
19	2423	45	2456	89	2400
20	2478	46	2457	90	2401
21	2479	47	2508	91	2402
22	2480	48	2509	92	2403
23	2481	49	2510	93	2404
24	2482	50	2511	94	2442
25	2483	51	2513	95	2405
26	2484	52	2514	96	2407
27	2485	53	2515	97	2408
28	2486	54	2516	98	2410
29	2487	55	2512	99	2416
30	2488	56	2458	100	2417
31	2489	57	2507	101	2424
32	2490	58	2507 $\frac{1}{2}$	102	2425
33	2491	59	2517	103	2406
34	2492	60	2518	104	2409
		61	2519	105	2411
		62	2525	106	2412
		63	2526	107	2413
		64	2527	108	2463
		65	2528	109	2464
		66	2371	110	2414
		67	2372	111	2415
				112	2418
<i>Silk.</i>					
35	2443				

SALEM.

Exhibition Nos. corresponding with those of Local Committee.

LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.	LOCAL COMMITTEE No.	PROGRESSIVE EXHIBITION No.
113	2419	158	2521
114	2430	159	2522
115	2430 $\frac{1}{2}$	160	2524
116	2431	161	6847
117	2432	162	6848
118	2433	163	6849
119	2434	164	6850
120	2435	165	6854
121	2436	166	6854
122	2437	167	6856
123	2439	168	6853
124	2438	169	6855
125	2440	170	6857
126	2441	171	6858
127	2444	172	6859
128	2445	173	6860
129	2446	174	6861
130	2449	175	6861 $\frac{1}{2}$
131	2450	176	6862
132	2451	177	6863
133	2452		
134	2452 $\frac{1}{2}$		
135	2465		
136	2466		
137	2467		
138	2468		
139	2469		
140	2421		
141	2471		
142	2493		
143	2498		
144	2499		
145	2494		
146	2523		
147	2495		
148	2500		
149	2501		
150	2502		
151	2503		
152	2504		
153	2505		
154	2496		
155	2497		
156	2506		
157	2520		

SALEM.

THE LOCAL COMMITTEE, AT *Salem, Exhibitors.*

- 1 Woman's cloth (silk & lace border) Rs. 23-4.
- 2 Woman's cloth (Chendrakalay pattern) Rs. 8-2.
- 3 Woman's cloth (Nagamooddy pattern) Rs. 22.
- 4 Chowkaly Handkerchief (silk) Rs. 5.
- 5 Man's cloth, with single Roodrat-chapetta border Rs. 11.
- 6 Man's cloth, with double Roodrat-chapetta border. Rs. 9.
- 7 Man's cloth, with double gold laced Roodrat-chapetta border. Rs. 32.
- 8 Man's cloth, with double blue Roodrat-chapetta border. R. 5-4.
- 9 Man's cloth, with single blue Roodrat-chapetta border. R. 5-4.
- 10 Specimens of Iron ore.
- 11 Chrome ore.
- 12 Iron Ore, 1st. Sort, As. 2.
- 13 Iron Ore, 2d. Sort, As. 1.
- 14 Specimen of smelted Iron. As. 5.
- 15 Specimen of smelted Iron. A. 5.
- 16 Iron Bloom, or Pallum. As. 3.
- 17 Iron Bloom, or Pallum. As. 3.
- 18 Iron Sickel. As. 2.
- 19 Bill Hook. As. 8.
- 20 Bucket. Rs. 7.
- 21 Axe. As. 12.
- 22 Weeder. As. 2.
- 23 Ploughshare. As. 6.
- 24 Ploughshare. As. 6.
- 25 Ploughshare. As. 6.
- 26 Ploughshare. As. 6.
- 27 Pacota Ring. Rs. 1-12.
- 28 Mamoottee. Rs. 1-0-10.
- 29 Mamoottee. Rs. 1-0-10.

- 30 Mamoottee. Rs. 1-0-10.
- 31 Mamoottee. Rs. 1-0-10.
- 32 Mamoottee. Rs. 1-0-10.
- 33 Mamoottee. Rs. 1-0-10.
- 34 Crowbar. Rs. 1-8.
- 35 Cocoons silk. As. 8.
- 36 Palmyra Fibre. Pie. 2.
- 37 Coco Fibre. Pie. 3.
- 38 Fibres from the Shervoroy Hills
- 39 Fibres Do.
- 40 Fibres Do.
- 41 Fibres Do.
- 42 Turmeric. As. 3-6.
- 43 Sugar, 1 maund. Rs. 1.
- 44 Nonah Root (dye) with a specimen of dyed cloth. As. 8.
- 45 Nonah Root powder (dye) As. 5.
- 46 Nonah Root powder (dye) Pi. 8.
- 47 Kuppelapody (dye) 5 seers. R. 1-12
- 48 Puppelichekay (dye) 5 seers. A. 6.
- 49 Muddecheka (dye) 5 seers. As. 4.
- 50 Malaypoo (dye) 5 seers. As. 8.
- 51 Kuppelapody in lump (dye) A. 1.
- 52 Puppelicheka powder (dye) A. 1.
- 53 Muddecheka powder (dye) A. 1.
- 54 8 Rolls of Cotton thread dyed once, twice, and so on, in Puppelicheka dye. As. 1.
- 55 Sealing wax. 5 seers. As. 4.
- 56 Causy leaves. Pie. 3.
- 57 Raw Silk, 1st. Sort 26 Tolahs. Rs. 2-8.
- 58 Raw Silk, 2d. Sort, 29 $\frac{1}{4}$ Tolahs. Rs. 2-7-6.
- 59 Yellow Silk, dyed with Kuppelapody. 2 Tolahs, As. 5-6.
- 60 Red Silk, dyed with avul arruk. Rs. 1-3.
- 61 Veppum, or Margosagum.
- 62 Uddakoopathrun, or 9 Brass utensils. Rs. 74-12.
- 63 12 Gunnies. Rs. 7.

SALEM.

- 64 3 Large Dubbers. Rs. 6-10.
65 3 Small Dubbers. Rs. 1-11.

ARNACHELLUM ACHARRY, of
Salem, Exhibitor.

- 66 New Steel bench vice. Rs. 21.
67 „ Steel Pin vice. Rs. 5.
68 „ Mustard Drill with blades.
Rs. 10
69 Do. Steel Gun spring vice. R. 3.
70 Do. 12 Inches long steel hunt-
ing knife, with Buck horn
handle, & case with spring
and leather strap, com-
plete. Rs. 12.
71 8 Inches long Do. Do. Rs. 8.
72 7½ Do. long Do. Do. with Silver
guard, and Silver mounting to
the case, and leather Strop,
complete. Rs. 15.
73 Steel clasp pocket hunting knife,
with flying Spring. Rs. 12.
74 Steel clasp Hunting knife, with
Instruments. Rs. 17-8.
75 Steel Ivory handle clasp Pen-
knife. Rs. 3.
76 Steel Pocket Pen-knife, with two
Screws to fasten reins together
if they break. Rs. 7.
77 Steel Pruning knife. Rs. 2.
78 Steel carving knife and fork, with
buck horn handles. Rs. 9.
79 Large Steel clipper. Rs. 9.
80 Small Steel clipper. Rs. 7.
81 Do. and another Small Do. R. 4.
82 Do. flower Scissors. Rs. 2-8.
83 Do. Nut cutting knife, with silver
mounting. Rs. 5.
84 Do. Hog Spear head. Rs. 3-8.
85 Do. Skinning knife, with buck
horn handle. Rs. 5.
86 Do. Silver mounted Bread cut-
ting knife. Rs. 6.

P. VENCATARAMA CHETTY, of
Salem, Exhibitor.

- 87 Woman's silk cloth. Rs. 28-8.

P. SOOBAROYA CHETTY, of *Salem,*
Exhibitor.

- 88 Man's cloth. Rs. 21.

G. NAGANDRA CHETTY, of *Salem,*
Exhibitor.

- 89 Man's Silk cloth. Rs. 17-4.

C. SASHOY CHETTY, of *Salem,*
Exhibitor.

- 90 Boy's cloth. Rs. 3-8.
91 Nine Specimens of Silk. Rs. 12.

CAUSY ROWT, of *Salem, Exhibitor.*

- 92 2 Tanned Sheep skins. 30 R. per
hundred.
93 2 Tanned Goat skins. 60 Rs. per
hundred.
Causy Rowt (continued.)
94 6 Skins of squirrels Rs. 9.

Chinniah Moodely, of *Salem, Exhibitor.*

- 95 Cotton Woman's cloth. Rs. 3-10.
96 Country Trowser's cloth. Rs. 2-8.
97 Hungry cloth. Rs. 2-4.
98 Cotton Carpet. Rs. 2-12.
99 Specimens of wheat. As. 9.
100 Very fine Rice. As. 10-8.
101 Fibres of aloe. As. 12.
102 Shrub fibres. Rs. 1.

Veneatrama Chetty, of *Womalore, Ex-*
hibitor.

- 103 Man's cloth. Rs. 28.

VEERABUDRA CHETTY, of *Salem*
Exhibitor.

- 104 Silk Rug. Rs. 12.

MISSION INDUSTRIAL SCHOOL
at *Salem, Exhibitors.*

- 105 Palmyra box, Rs. 25.

HAFIZ MOHAMED of *Salem, Exhi-*
bitor.

- 106 Mustard Oil.
107 Waxcandle, 1 £. Rs. 12.
108 Surgeon's Pocket case. Rs. 10.
109 Root, antidote for the bites of
snakes.

ADALAKUM CHETTY, of *Salem,*
Exhibitor.

- 110 Castor Oil, 1 bottle As. 12.
111 Castor Oil, 1 bottle As. 12.

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TEROOVENGADA ODIAN, of
Salem, Exhibitor.

112 Black wool, As. 2.

TONDROY NAIK, of Salem, Exhibitor.

113 Betel Nut, As. 10.

ANDEE VENCATACHELLAPATTY, of
Salem, Exhibitor.

- 114 12 Napkins, Rs. 1.
- 115 Gown cloth, Rs. 2-4 for 12 yards.
- 116 Gown cloth, Rs. 2 for 12 yards.
- 117 Coat cloth, Rs. 2-4 for 12 yards.
- 118 Trowser's cloth, Rs. 3-8.
- 119 Trowser's cloth, R. 4-14 for 13 ys.
- 120 Coat, or Trowser's cloth, R. 2-8.
for 12 yards.
- 121 2 Pick axes, Rs. 2 each.

TEROOMALA GOUNDEN, AND PALA-
NY GOUNDEN, of Salem, Exhibitor.

- 122 Auttee Nar, As. 4.
- 123 Aloe Fibre, As. 12.

COOLIAH GOUNDEN, of Salem,
Exhibitor.

124 yercum Nar, As. 2.

CONDALAMPUTTY CHETTY, of
Salem, Exhibitor.

125 Hemp, As. 2.

CHOCKALINGA MOODELY, of
Salem, Exhibitor.

126 Betel Nut, Rs. 1.

ANDEE SOOBBROYA CHETTY,
of Salem, Exhibitor.

127 Lamp wick, Rs. 1.

RAMASAMY, of Salem, Exhibitor.

128 Poolachanar fibre, Pie 3.

MEER MOHAMED, of Salem, Exhi-
bitor.

129 2 Lines for Fishing, Pie. 6 each.

BALASAMY CHETTY, of Razepoor,
Exhibitor.

130 Man's cloth, Rs. 58-13.

SOONDRA MOODELY, of Razepoor,
Exhibitor.

131 Woman's cloth, Rs. 22.

132 Woman's cloth, Rs. 14-4.

ARTHANARY MOODELY,

SABAPATTY MOODELY,

COOPPOO MOODELY,

CALYTHEETHA MOODELY, of Venunun-
door, Exhibitors.

- 133 Salempoor cloth, } Rs. 6-8.
- 134 Salempoor cloth, }

Mr. CAUSAKER, of Salem, Exhibitor.

- 135 Gun, Rs. 60.
- 136 Gun used as a cane, Rs. 21.
- 137 Gun Lock, Rs. 10.
- 138 Spade and Pick, Rs. 4.
- 139 Iron Ore.
- 140 Chrome Ore.
- 141 White Clay.

RAJA NARASIAH CHETTY, of
Oosoor, Exhibitor.

- 142 Silver Tray, Rs. 88.
- 143 Woman's cloth Chawkaly pattern,
Rs. 13.
- 144 Spotted lace choley, or Woman's
cloth Rs. 2-2.

P. SASHAGHERRY ROW, Tahsildar
of Oosoor, Exhibitor.

- 145 Silver Cup with cover, Rs. 45-8.
- 146 Iron Ore.

COTHA SOOBBA CHETTY, of Oos-
soor, Exhibitor.

- 147 Red, Woman's Silk cloth, R. 33.
- 148 3 Choleys, or Woman's cloths.
Rs. 6-12.
- 149 Head cloth (Nafurmany) 6½
cubits square, Rs. 35.

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- 150 Head cloth (Nafurmany) 5 cubits square, Rs. 24.
- 151 1 White Turban, Rs. 3-8
- 152 1 White Turban, Rs. 3-
- 153 1 Pair of Man's white cloths, 6 cubits each, Rs. 6-8.

NATHUNNA CHETTY, of Oosoor,
Exhibitor.

- 154 Woman's red Silk cloth, Rs. 28.
- 155 Woman's cloth of Roomalay pattern cloth, Rs. 12-8.
- 156 Man's cloth with Lace border, 6 cubits, Rs. 6-8.

STREENEVASSA CHETTY, of Salyvarum, Exhibitor.

- 157 Two Sandal wood pieces.
- 158 Sandal Oil.

HEERAY GOUNDEN, of Yella Samoothrum, Exhibitor.

- 159 Areca Nuts.

APOTHECARY R. HUFFTON, Exhibitor.

- 160
- 1 Aloes, Pice. 6.
- 2 Baelfruit.
- 3 Bonduck Nut, Pice. 2.
- 4 Catechu, As. 1.
- 5 Clearing Nut, Pice. 8.
- 6 Colocynth, or Bitter Cucumber, seed, Pice. 9.
- 7 Country Ipecacuanha.
- 8 Country Sarsaparilla, As. 1-4.
- 9 Chiretta, Pice. 6.
- 10 Dhak kino, As. 1-4.

- 11 Different kinds of galls, As. 1-2.
- 12 Dikkamalay gum, Pice. 6.
- 13 Galanga Root, Pice. 8.
- 14 Hydrocotyle Asiatica.
- 15 Indian Leadwort.
- 16 Country Hemp Seed and leaves.
- 17 Indian Birthwort, As. 1.
- 18 Nux Vomica.
- 19 Opium, As. 4.
- 20 Prickly Poppy Seed.
- 21 Rosebay Seed, Pice. 6.
- 22 Senna leaves, Pice. 6.
- 23 Sweet Flag, Pice. 8.
- 24 Thorn Apple Seed.
- 25 Croton Seed.
- 26 Pharbitis Nil-in Latin Kala Dana in Hindoostance, As. 1.
- 27 Blistering Betel.
- 28 Ram Til, Pice. 8.
- 29 Poppy Seed, As. 1-8.

Messrs. FISCHER and Co. Exhibitors.

- 161
- 1 Bourbon Cotton, 5 Maunds.
- 2 Oopum Do. Do. 5 Maunds.
- 3 Ladum Do. Do. 5 Maunds.
- 4 Nankeen Do. Do. 5 Maunds.
- 5 Coffec, large berry, 5 Maunds.
- 6 Coffec, pea berry 5 Maunds.
- 7 Sumach, 2 Maunds.
- 8 Saltpetre, 5 Maunds.
- 9 Corundum, 1 Maunds.
- 10 Janapan Nar.
- 11 Janapan Rope.
- 12 Pulachce Nar.
- 13 Pulachee Rope.
- 14 Yercum Nar.
- 15 Yercum Rope.
- 16 Munja Nar.
- 17 Munja Rope.

TANJORE.

R. Hurry Row, Exhibitor.

WET GRAINS.

CAR SERIES.

- 4280 Ananthadycoorooway As. 1-10
- 4281 Aurayan As. 1-11
- 4282 Auroovathancoday As. 1-8
- 4283 Aroovathanalecoorooway As. 1-7
- 4284 Annathanacoorooway As. 2-2
- 4285 Coshucoothalay As. 2-2
- 4286 Curoovaulum As. 1-11
- 4287 Cooroocorooway As. 1-8
- 4288 Car As. 2.
- 4289 Cautaluvannan As. 1-11
- 4290 Calaverayen As. 1-11
- 4291 Coothalay As. 1-11
- 4292 Cooroovicar As. 1-10
- 4293 Coombacooroovicar As. 1-2
- 4294 Caroothacaddupoo As. 1-11
- 4295 Cuduppacaloonday As. 1-8
- 4296 Cautlooppoovanaun As. 1- $\frac{1}{2}$
- 4297 Cooroocar As. 1-9
- 4298 Cadapoocar As. 1-9
- 4299 Chittaracar As. 1-11
- 4300 Chittriyan As. 2-7
- 4301 Kuttycar As. 1-10
- 4302 Muttaycoorooway As. 1-9
- 4303 Manavauryeudapoo As. 1-7
- 4304 Muttaycooroowaycar As. 1-9
- 4305 Muttaycar As. 1-10
- 4306 Paroocar As. 1-11
- 4307 Singingy As. 1-11
- 4308 Shencar As. 1-3 $\frac{1}{2}$
- 4309 Shengalanicar As. 1-11
- 4310 Shooracoorooway As. 1-11
- 4311 Shaguppoocoothalay As. 1-9
- 4312 Sheeloovacadupoo As. 1-10
- 4313 Shendicar As. 1-1
- 4314 Vellaycoorooway As. 1-11
- 4315 Vooshycoottalay As. 1-8
- 4316 Vellacadupoo As. 1-10
- 4317 Vellacoothalay As. 1-11
- 4318 Vellacar As. 1-9
- 4319 Vellashundicar As. 2
- 4320 Vellacooroowaycar As. 1-2 $\frac{1}{2}$
- 4321 Yellungar As. 1-9 $\frac{1}{2}$

SUMBA PISHANUM SERIES.

- 4322 Attiyoorsumbah As. 1-8
- 4323 America do. As. 2-1
- 4324 Anathan do. As. 2-1
- 4325 Allagiahvanan As. 1-5
- 4326 Bengal Sumbah As. 2-5
- 4327 Coorooway Moolagy As. 2-1
- 4328 Carthica Sumbah As. 2-3
- 4329 Cadacaloottan As. 2-1
- 4330 Carooppoopishanum As. 1-9
- 4331 Cooneooma Sumbah As. 2

- 4332 Cumbun Sumbah As. 2-2
- 4333 Caroothay caloonday As. 1-11
- 4334 Calloonday As. 2
- 4335 Codoovalay As. 2
- 4336 Colladichan As. 2
- 4337 Cattoor Sumbah As. 2
- 4338 Caushy do. As. 1-9
- 4339 Cautoo caloonday As. 1-5
- 4340 Coombalay As. 1-9
- 4341 Earooccoo Sumbah As. 2-2
- 4342 Eeangemoottan As. 11
- 4343 Garoodan Sumbah As. 2
- 4344 Jeergha do. As. 2-3
- 4345 Kyver. do. As. 2- $\frac{1}{2}$
- 4346 Kingenimalay As. 1-11
- 4347 Kristnaleelah As. 2-1
- 4348 Moothoo Sumbah As. 2-1
- 4349 Moollagoo do. As. 2
- 4350 Ottadun As. 2-1
- 4351 Panamoharan As. 1-11
- 4352 Poottoo Sumbah As. 2-1
- 4353 Putna Sumbah As. 1-9
- 4354 Poosha do. As. 2-2
- 4355 Palany do. As. 1-9 $\frac{1}{2}$
- 4356 Poombalay As. 2
- 4357 Pishanum As. 2
- 4358 Paroonjeekunny As. 1- $\frac{1}{2}$
- 4359 Peroommoolaghy As. 2
- 4360 Ponga Sumbah As. 2
- 4361 Paulcadoocoy As. 1-11
- 4362 Ramanathan Sumbah As. 1-10
- 4363 Sharapalay do. As. 2
- 4364 Shazapoosheroomonien As. 2-1
- 4365 Shivan Sumbah As. 2-3
- 4366 Shumbeliperian As. 2-1
- 4367 Segappoo Sumbah As. 2-1
- 4368 Sookhadoss do. As. 2-3
- 4369 Shumbalay As. 2- $\frac{1}{2}$
- 4370 Shaday Sumbah As. 2-1
- 4371 Shagappoomoolagy As. 2-2
- 4372 Thillanayacun As. 2- $\frac{1}{2}$
- 4373 Thoovara Sumbah As. 2-1
- 4374 Vallachercomonien As. 2-1
- 4375 Vengoo Sumbah As. 2
- 4376 Vellamoolaghy As. 2-2
- 4377 Vellay Sumbah As. 2-2
- 4378 Venthia Sumbah As. 2-2
- 4379 Vandan Sumbah As. 2-3
- 4380 Vaushanay do. As. 2-3
- 4381 Voossee do. As. 2-3
- 4382 Yogul As. 1-1
- 4383 Auryan As. 1-8
- 4384 Annathana Coorooway As. 1-4
- 4385 Coshoooothalay As. 1-11
- 4386 Caroovalan As. 1-6
- 4386 $\frac{1}{2}$ Caroom coorooway As. 1-5
- 4387 Car As. 1-7
- 4388 Cattalayvanun As. 1-7

4389 Culaverayen As. 4.
 4390 Coothaulay As 1-1.
 4391 Cacoorthacacuppoo As 1-7.
 4392 Cadupracalconday As 1-10.
 4393 Coroonear As 1-7.
 4394 Caduppooear As 1-5.
 4395 Chittracar As 1-8.
 4396 Chittrayan As 1-9.
 4397 Muttacoorooway As 1-3.
 4398 Mannavarycaduppoo As 1-6.
 4399 Muttaycoorooway ear As 1-5.
 4400 Parooncar As 1-7.
 4401 Singny As 1-2.
 4402 Shengalanicar As 1-8.
 4403 Shooru oorooway As 1-3.
 4404 Shagappooecottalay As 1-6.
 4405 Sheelavaycaduppoo As 1-3.
 4406 Shendicar As 1-6.
 4407 Vellaycoorooway As 1-7.
 4408 Vooscecoothalay P. 9.
 4409 Vellacaduppoo As 1-6.
 4410 Vellashundicar As 2-1.
 4411 Yelluncar As 1-6.
 4412 Attnyoor Sumbah As 1-6.
 4413 Anuntha do. As 1-9.
 4414 Aulagheyavanun As 1.
 4415 Cooroovaymoolaygy As 2-3.
 4416 Cadacaloothan As 2-1.
 4417 Carooppupishanum As 1-2.
 4418 Cooncooma Sumbah As 1-8.
 4419 Caroorthacalloonday P. 9.
 4420 Coombaulay As 1-6.
 4421 Codoovalay As 1-8.
 4422 Collidichan As 1-2.
 4423 Cauttoo Sumbah As 1-1.
 4424 Earangoomoottan As 1-4.
 4425 Garoodun Sumbah As 1-8.
 4426 Kyver do. As 2-1.
 4427 Kinginymalay As 1-3.
 4428 Kristnaleilah As 1-8.
 4429 Moottoo Sumbah As 2-2.
 4430 Molaghoo Sumbah As 1-11.
 4431 Ottadun As 2-1.
 4432 Panamoharan As 1-8.
 4433 Poottoo Sumbah As 1-8.
 4434 Patna do. As 1-6.
 4435 Pooshpa do. As 1-9.
 4436 Poombaulay As 1-11.
 4437 Pishanum As 2.
 4438 Paroommoolooghey As 1-8.
 4439 Ponga Sumbah As 2.
 4440 Paulcadoocoy P. 10.
 4441 Ramanathen Sumbah As 1-4.
 4442 Sarapaly do. As 1-7.
 4443 Shaguppoo Sharoomanum As 2.
 4444 Shumbaliperien As 1-8.
 4445 Shaguppoo Sumbah As 1-9.
 4446 Shaday do. As 1-10.
 4447 Shaguppoomoolaghy As 1-10.
 4448 Thillanayagum As 1-9.
 4449 Vengoo Sumbah As 1-8.
 4450 Vellamoolaghy As 1-10.

4451 Vellaycar As 2-5.
 4452 America Sumbah As 2-7.
 4453 Bengal do As 2-9.
 4454 Carthica do As 2-8.
 4455 Cumbum. do As 2-7.
 4456 Calloonday As 2-5.
 4457 Caushy Shumbah As 3-5.
 4458 Earccoo do As 2-7.
 4459 Jeerga do As 2-8.
 4460 Palany do As 2-6.
 4461 Shevan do As 2-8.
 4462 Sookdoss do As 2-8.
 4463 Shumbauly do As 2-6.
 4464 Thovaray do As 2-6.
 4465 Vellay Seroomonyen As 2-6.
 4466 Vellay Sumbah As 2-7.
 4467 Venthia Sumbah As 2-7.
 4468 Vaudah Sumbah As 2-8.
 4469 Vaushanay Sumbah As 2-3.
 4470 Vooshy Sumbah As 2-3.

DRY GRAINS.

4471 Linseed As 4-4.
 4472 Yellumveragoo As 2-3.
 4473 Paroomveragoo As 2-3.
 4474 Varagoo As 2-3.
 4475 Shenchollum As 2-3.
 4476 Vellachollum As 2-3.
 4477 Caudaycunny As 2-3.
 4478 Erungoo As 2-3.
 4479 Thenay As 2-3.
 4480 Shaguppoo Thenay As 2-3.
 4481 Raggy As 2-2.
 4482 Cumboo As 2-3.
 4483 Coorooway Cumboo As 2-3.
 4484 Cathady Cumboo As 2-3.
 4485 Sawmay As 2-3.
 4486 Peroomsawmay As 2-3.
 4487 Sheloovasawmay 2-3.
 4488 Kootherayvauly As 2-5.
 4489 Naihoorooove (Achrynanthes aspera.)
 As 2-4.
 4490 Vedithicottay As 2-6.
 4491 Cooncoomapien As 2-8.
 4492 Vayapier As 2-6.
 4493 Aumanaccoocottay As 2-6.
 4494 Chittamanaccoocottay As 3.
 4495 Sheneleray As 2-6.
 4496 Naucadaghoo As 2-5.
 4497 Caudarumbum yelloo As 2-6.
 4498 Prickly poppy seed As 2-7.
 4499 Poppy seed As 3.
 4500 Indian corn or Maize As 2-4.
 4501 Bangalore Maize As 2-3.
 4502 White do. As 2-3.
 4503 Red do. As 2-3.
 4504 Black do. As 2-3.
 4505 Venthiem Fennegroch As 2-10.
 4506 Cadooghoo As 3.
 4507 Bengal Gram As 2-10.
 4508 Purging nut As 2-5.
 4509 Neem seed As 2-2.

TANJORE.

- 4510 Thovaray pulse AS 2-8.
 4511 Tobacco seed AS 5.
 4512 Gram AS 2-5.
 4513 Parompayer AS 2-5.
 4514 Coothoocaramany AS 25.
 4515 Thovaray AS 2-5.
 4516 Mochacottay AS 2-6.
 4517 Puchapier AS 2-6.
 4518 Coriander AS 2-2.
 4519 Noonavaray AS 2-6.
 4520 Roselle seed AS 2-6.
 4521 Thattay pier AS 2-5.
 4522 Arrott seed AS 10.
 4523 Pillareasy AS 3.
 4524 Woollunthoo AS 2-8.
 4525 Betel nut AS 4-7.
 4526 1st sort Chayroot cultivated AS 7.
 4527 2nd sort do. do AS 5-3.
 4528 3rd sort do. do AS 5.
 4529 Do Wild AS 1-4.
 4530 Morinda AS 10.
 4531 Vatharaneum Tobacco AS 7.
 4532 Podoochay. do AS 4.
 4533 2nd sort do. do AS 3-6.
 4534 Thomson's Muster Cheroot AS 4.
 4535 Cheroots AS 3.
 4536 Long do AS 5.
 4537 Small do AS 3-4.
 4538 American Cotton AS 2.
 4539 Golconda Cotton without seeds AS 3-3.
 4540 Do. do. with seeds AS 9.
 4541 Voopum do. do AS 4-4.
 4542 Do. do. without seeds AS 3.
 4543 Landum do. with seeds AS 3-8.
 4544 Do. do. without seeds AS 5-6.
 4545 Saday cotton without seeds AS 1-3.
 4546 Plantain meal AS 5.
 4547 Arroowroot AS 7.
 4548 Saltpetre Rs 5-2.
 4549 Salt purified AS 7.

OILS.

- 4550 Oil Roosoom AS 4-9.
 4551 Do. Kajee Rs 1-6.
 4552 Do. Linseed AS 1-4.
 4553 Do. Purging AS 5.
 4554 Do. Gingelly AS 4-6.
 4555 Do. do AS 4-10.
 4556 Do. hemp seed Rs 1-10.
 4557 Do. Prickly poppy AS 6.
 4558 Do. Poon seed AS 5-8.
 4559 Do. Mustard AS 9.
 4560 Do. Poppy seed AS 11-6.
 4561 Do. Coccanut AS 5.
 4562 Do. do AS 5-7.
 4563 Do. Ground nut AS 4.
 4564 Do. Pumpkin seed AS 14.
 4565 Do. Illoopoo AS 5.
 4566 Do. Kurrury AS 9.
 4567 Do. Neem AS 4-6.
 4568 Do. Castor AS 6.
 4569 Do. Cucumber seed AS 15.

- 4570 Oil. Raddish seed Rs 1-9.
 4571 Do. Saray puppoo Rs 1-15.
 4572 Do. Rosell seed AS 15.
 4573 Do. Melon seed Rs 1-3-5.
 4574 Do. Almond do. Rs 2-13.
 4575 Do. Pulas do. AS 15.
 4576 Do. Neeradimootoo do. AS 15.
 4577 Soap nut Rs 2 15.
 4578 Bael seed AS 11.
 4579 White cotton do. AS 6.
 4580 Ghee AS 1.
 4581 Bishops weed do. Rs 7-11.
 4582 Tobacco do. Rs 3-3.
 4583 Mapusops do. Rs 1-3.
 4584 Wood apple do. Rs 1-4-4.
 4585 Sweet fennel do. Rs 3-9.
 4586 Hairy momordica do. AS 11.
 4587 Bondue nut do. AS 14.
 4588 Bishops weed do. Rs 1-10.
 4589 Camphor do. Rs 1-14.
 4590 Cuminum do. Rs 7-2.
 4591 Anise do. Rs 1-6.
 4592 Cloves do. AS 12.
 4593 Pepper do. Rs 1-10.
 4594 Fennel flower do. Rs 1-14.
 4595 Coriander Rs 1-14.
 4596 Lemon Grass Rs 1-4.

CARPETS.

- 4596 Iempettah large woollen carpet
 23 5 16 7 Rs 200.
 4597 Iempetta small woollen carpet
 8 5 x 4 3 Rs 16.
 4598 Do. do do 8 2 x 4 1, Rs 15.
 4599 Do. do silk do 7 6 x 3 7 Rs. 15.
 4600 Do. do do 7 6 x 3 5 Rs 15.
 4601 Do. do coir do Rs 1 8.

SHEALY MATS.

- 4602 Mats. Rs. 1-8.
 4602½ Do. Rs. 1-8.
 4603 Do. Rs. 1-8.
 4603½ Do. Rs. 1-8.
 4604 Do. Rs. 1 12.

JEWELLERY.

- 4605 One silver staple pattern chain
 Rs 9.
 4606 Do. do do do. Rs 9.
 FIBRES AND ROPES.
 4607 Plantain fibre. Rs. 1 14.
 4608 One Inch do. do. rope in circum-
 ference Rs. 1 3 8.
 4609 ¾ Do. do. do. do AS 10 6.
 4610 ½ Do. do. do. do AS 5.
 4611 ⅓ Do. do. do. do AS 3-2.
 4612 Do. purple coloured fibre
 AS 4 6.
 4613 Marool Sunsovera Zefanica fibre
 Rs. 12 6.
 4614 Marool fibre rope ¾ Inch in circum-
 ference Rs. 1 3.

TANJORE.

- 4615 $\frac{1}{2}$ Inch do. do. do As 11 4.
 4616 $\frac{1}{4}$ Inch do. do. do As 11.
 4617 $\frac{1}{2}$ Inch do. do. do As 5 5.
 4618 Marool purple coloured fibre
 As 10-3.
 4619 Do. Green do. do. P. 9.
 4620 Do. Purple do. rope As. 1-9
 4621 Aloe American fibre Rs 1-8
 4622 Do. Green coloured do. Rs. 1-2
 4623 Do. Purple do. do. As. 10-8.
 4624 Do. Rope 1 Inch Rs. 1-4-4
 4625 Do. do $\frac{3}{4}$ Inch As. 11-10
 4626 Do. do $\frac{3}{4}$ do. As. 10-6
 4627 Do. do $\frac{1}{2}$ do. As. 4
 4628 Do. purple coloured rope As. 15
 4629 Do. Green do. do. As. 8
 4630 Pine Apple (Bromelia ananassa
 or sativa fibre) As. 5-5
 4631 Do. Rope $\frac{3}{4}$ Inch Rs. 2-5-10
 4632 Yerucum Fibre As. 11-3
 4633 Do. Rope $\frac{1}{4}$ Inch Rs. 1-2-7
 4634 Janapa Rope 1 Inch As. 6-8.
 4635 Janapa Rope $\frac{3}{4}$ Inch As. 5
 4636 Janapa Rope $\frac{1}{2}$ Inch As. 2
 4637 Janapa Rope $\frac{1}{4}$ Inch As. 1-10
 4638 Cotton Rope 1 Inch Rs. 1-7-1
 4639 Cotton Rope $\frac{1}{2}$ Inch As. 12-2
 4640 Cotton Rope $\frac{1}{4}$ Inch As. 7-4
 4641 Cotton Rope $\frac{3}{8}$ Inch As. 6-11
 4642 Cotton Rope $\frac{1}{4}$ Inch As. 3-3
 4643 Coir fibre As. 4-3
 4644 Coir Rope 1 Inch Rs. 1-2-8
 4645 Coir Rope 1 Inch As. 6-2
 4646 Coir Rope $\frac{3}{4}$ Inch As. 7-5
 4647 Coir Rope $\frac{3}{4}$ Inch As. 5-7
 4648 Coir Rope $\frac{3}{8}$ Inch As. 1
 4649 Benda Fibre Abelmoschus esculen-
 tus As. 2-6.
 4650 A pair of Buffaloes Horns Rs. 3.
 4651 A pair of Bullocks Horns Rs. 1-8.
 4652 One stag hide R. 1.
 4652 $\frac{1}{2}$ One stag hide R. 1.
 4652 $\frac{1}{2}$ 1st sort Cotton Yarns Rs. 3-9.
 4652 $\frac{3}{4}$ 2nd sort Cotton Yarns Rs. 1-9.

BANGALORE COLOURED SILK YARNS.

- 4653 Nimbo Rs. 2-3-6.
 4654 Green Rs. 3-5-2.
 4655 Purple Rs. 3-6-1.
 4656 Saffron Rs. 2-12.
 4657 Black Rs. 3-6-1.
 4658 Red Rs. 3-5-2.
 4659 White Rs. 3-10-9.
 4660 Onion coloured Rs. 3-8.

BENGAL COLOURED SILK YARNS.

- 4661 Red Rs. 3-2-5
 4662 Saffron Rs. 2-13
 4663 Nimboly Rs. 2-12
 4664 Green Rs. 3-2-5
 4665 Black Rs. 2-14-7
 4666 White Rs. 3-1-1
 4667 Purple Rs. 3-6-2

SILK CLOTHS.

- 4668 Woman Cloth Rs. 21
 4669 Woman Cloth Rs. 18-14

- 4670 Woman Cloth Rs. 19-6
 4671 8 Cholies Rs. 10
 4672 8 Cholies Rs. 9.
 4673 8 Cholies Rs. 8.
 4674 Four Cholies Rs. 4-4.
 4675 Two Cholies Rs. 2-2.
 4676 One Cholies R. 1.
 4677 White Silk Cloth 5 $\frac{1}{2}$ Yards 6 Inches
 Rs. 28-12.
 4678 Silk Cloth 1 $\frac{1}{2}$ Yards Rs. 4.
 4679 Silk Cloth 9 $\frac{1}{2}$ Yards Rs. 21
 4680 Four Iempettah Silk handkerchiefs
 Rs. 8.

SILK AND COTTON MIXED CLOTHS.

- 4681 Cornad Woman Cloth Rs. 45.
 4682 Combaconum Cloth Rs. 18.
 4683 Do 8 Cholies Rs. 4.
 4684 Do 3 do Rs. 3-9.
 4685 Do 3 do Rs. 2-10.
 4686 Do 2 do Rs. 1-8.
 4687 Do do 2 do Rs. 1-12.
 4688 Tanjore 6 Cholies Rs. 4-14.
 4688 $\frac{1}{2}$ Do 2 do Rs. 2-1.

COTTON CLOTHS.

- 4689 Two Pair of Man Cloth Rs. 11-8.
 4690 Two Do do do Rs. 9-8.
 4691 Two Do of Angostrum Rs. 7-4.
 4692 Nine Yards Shallow Rs. 4-8.
 4693 Fifteen $\frac{1}{2}$ Do Iyawady Cotton
 Cloth Rs. 4-11.
 4694 Nine Do do do Rs. 3-12-9.
 4695 Nine Do bleached do Rs. 4-2.
 4696 Fifteen Do of Combaconum Cotton
 Cloths Rs. 3.

FIBRE CLOTHS.

- 4697 Marool White Cloth Four Yards
 (sansebeirazeylonica) Rs. 21-11-7.
 4698 Do Green do 1 $\frac{1}{2}$ Yards do
 Rs. 6-14-2.
 4699 Do Brown do 1 $\frac{1}{2}$ do do Rs. 5-14-11
 4700 Aloe white Cloth Four Yards.
 Aloeamerican.
 4701 Do Green do 1 $\frac{1}{2}$ Yards do Rs. 7-4-6.
 4702 Do Brown do 1 $\frac{1}{2}$ Yards do Rs. 6-13.
 4703 Pine apple cloth Four Yards Rs. 29-10.
 4704 Do do do 3 do Rs. 22-3-7.
 4705 Do do Yellow do Rs. 8-7-2.
 4706 Do do handkerchiefs Rs. 6-5.
 4707 Yerucum cloth 1 $\frac{1}{2}$ Yards Rs. 13-7.
 4708 Plantain 2 handkerchiefs Rs. 3-4.
 4709 Do Brown Coloured Cloth 1
 Yards Rs. 2-8.
 4710 Cap and Plate made by Paddy R. 1 $\frac{1}{2}$

WOOD CUPS.

- 4711 Sandal wood cup Rs. 1.
 4712 Coatyaloomichamarum Rs. 1.
 4713 Allinjeemarum As. 10.
 4714 Vodiymarum As. 12.
 4715 Yettimarum As. 10.
 4716 Koyamarum As. 8.
 4717 Castoo Agethemarum As. 9.
 4718 Maroothanaymarum As. 8.
 4719 Veermarum As. 11.

TANJORE.

Hurry Row, Exhibitor.

PAPER.

- 4720 Punthanellore Paper made by yercum Fibres 2 quires As. 10
- 4721 Do do Rose coloured 2 quires As. 12
- 4722 Do do Brown do 1 do As. 4
- 4723 Brown paper made by Plantain fibres 3 quires As. 7-6
- 4724 Do do Large size do 3 do As. 12

G. T. Beauchamp Esq., Exhibitor.

- 5077 A Piece of cloth showing the various stages or processes by which it is made into chintz Rs. 6-14
- 5078 A packet containing the several articles used in preparing the chintzes.
- 5079 9 musters of chintz handkerchiefs Rs. 3-4 6.
- 5080 213 patterns of chintzes Rs. 2
- 5081 A Packet containing 2 markers

A. Pradhomme, Esq. Exhibitor.

- 5082 Bottle of Cocoanut Oil
- 5083 Do of Gingely seed
- 5084 Do of Caster or Lamp
- 5085 Do of Eloopai
- 5086 Do of Pinnay
- 5087 Do of Ground nut
- 5088 Do of Margosa
- 5089 Bishops weed seed.
- 5090 Pure Eloopai soap bars 10.
- 5091 Gunny bag prepared with sanappa fibres.
- 5092 Sample of Cotton thread dyed red.

W. D. Kohlhoff, Esquire, Exhibitor.

- 5093 8 Soap Bars.
- 5094 Saltpetre.
- 5095 Specimen of hard clay of Toolajapatam.
- 5096 Do. Tanned Sheep Skins.
- 5097 Do. Goat do.
- 5098 Do. Kid do.
- 5099 Cocoanut oil.
- 5100 Gingely seed oil.
- 5101 Ground nut oil.
- 5102 Eloopai oil.
- 5103 Pinnay oil.
- 5104 Caster oil.
- 5105 Margosa oil.
- 5106 Cajoo nut oil.
- 5107 Wood oil.

- 5108 Jamaica Yellow Thistle seed oil.
- 5109 Physic nut.
- 5110 Mustard oil.
- 5111 Dry leaf Indigo.
- 5112 Arrowroot.

Goondappa Row, Exhibitor.

- 5113 A specimen of Vellam stone.
- 5114 Trichinopoly Marble stone paper weight.
- 5115 A pair of black spotted shells of Ramasuwarem.
- 5116 A chequered shell of do.
- 5117 A sandal wood fan,

T. Kistna Row, Exhibitor

- 5118 White quartz found about the Vennar head.
- 5119 A specimen of Clay found in Boodalore in the Trivady Talook.
- 5120 Do. of hard clay like slate found Gundracottah.
- 5121 One Goglet (Earthen) As. 4-8.
- 5122 One do Double moulded (Earthen.) As. 4-8.
- 5123 Yerookum or Calatropis Gigantea, Fibres weighing 10 seers.
- 5124 A fishing net made of the above fibres.
- 5125 Ankoos or Elephant whip made at Tanjore Rs. 15.
- 5126 A pair of white sullahs or men's cloth with laced aprons each 8 yards long prepared at Arthanthy. Rs. 8-14.
- 5127 Black plain female cloth 9 yards long prepared in Tanjore Rs. 9-3.
- 5128 Do. do. with silver Edge Rs. 7-7.
- 5129 A model of Palankeen prepared at Tanjore (Pithwork) Rs. 35.
- 5130 A serpent made of horse hair at Tanjore Rs. 2.

Lutchmana Row, Exhibitor.

- 5131 Gold lace 15 3-16 Pagodah 3-16 weight Rs 14-3-6.

Modeen Saib, Exhibitor.

- 5132 Gold lace 40 Pagoda weight Rs. 37-8

TANJORE.

Peer Saib, Exhibitor.

- 5133 Gold lace 20 Pagoda weight Rs. 18-12.

Gopoo Soobryaloo Chettiar, Exhibitor.

- 5134 Metal plate and Tumbler Rs. 4-1
5135 Metal plate and Tumbler Rs. 3-13 3
5136 Do. Rs. 2-15-6.
5137 Do. Rs. 2-13.
5138 Do. Rs. 3-14-6.
5139 Do. Rs. 3-14-6.
5140 Do. Tumbler with handle Rs. 1-7-9.
5141 Copper plate Rs. 2-1.
5142 Do. Rs. 2-1.
5143 Copper cups and saucer Rs. 2-13.
5144 Do. Rs. 2-14-3.
5145 Do. Rs. 2-3.
5146 Do. Rs. 2 Pie 6.
5147 Metal water Glass Rs. 2-3.
5148 Metal water glass Rs. 2-3.
5149 Silk scarf white with lace Rs. 15-8.
5150 Do. red with do. Rs. 15-8.
5151 Do. blue with do. Rs. 15-8.
5152 Do. Rose colour without lace Rs. 14.
5153 Silk handkerchief red and blue colour Rs. 5-4.
5154 Do. Green and blue colours Rs. 5-4.
5155 Do. Green and yellow do Rs. 5-4.
5156 Do. yellow and lilac do. Rs. 5-4.
5157 Do. with lace red and yellow Rs. 7-8.
5157½ Do. do. red and rose Rs. 7-8.
5158 Do blue and yellow colours Rs. 5-4.
5159 A piece of silk cloth 8 yards yellow colour Rs. 33-12.

Ramoo Pillay, Exhibitor.

- 160 7 tanned leathers coloured Rs. 4-7.
5161 6 Tanned leathers not coloured Rs. 2-14
5162 A tin box containing camphor saveeram Rasacurpoorum and Rasasendooram Rs. 13-9-3.

Thavasia Pillay, Exhibitor.

- 5163 8 tanned leathers coloured Rs. 5.
5164 9 Tanned leathers not coloured Rs. 4-3.
5165 A tin box containing camphor Rasacurpooram Rusasendoorum Sa-veeram and soap Rs. 10-15-7.

Fakeersah, Exhibitor.

- 5166 Coir Rope As. 12.
5167 Do. As. 8.
5168 Do. As. 5.
5169 Do. Rope made of Marool fibres Rs. 1.
5170 Do. Dyed black As. 4.

Kistnapah Naick, Exhibitor.

- 5171 A picture of the Rajah of Tanjore Pithwork Rs. 20.
5172 A pair of tank Digger and his wife Pithwork Rs. 5.
5173 A pair of Gauzoolman and his wife Pithwork Rs. 5.

Local Committee Exhibitors.

- 5174 Silk carpet Rs. 23-11-9.
5175 Do. do Rs. 23-11-9.
5176 Do. do Rs. 23-11-9.
5177 Officers silk sashes (6) Rs. 48.
5178 1 Piece Ladies silk dress Rs. 50.
5179 2 Silk neckerchieves Rs. 6-8.
5180 English Bell Rs. 10.
5181 Specimen of the mud in the Cavary Padoogai in the Trivady Talook.
5182 Do. Do. in the Codamoorootty Padoogai in do. Talook.
5183 Do. do. in the Vettaur Padoogai in do. Talook.
5184 Do. do. in the Colleroom Padoogai in the Sheally Talook.
5185 Noonah roots which yield red dye.
5186 Vembadamputtay used for the same dye.
5187 Dry leaves of Causaum a well known jungle plant used for the same dye.
5188 Ashes of certain Vegetable substances used for the same dye.
5189 Specimen of light purple chalk (raw) procurable at Vullam.
5190 Do. of white chalk (raw) do. do.
5191 Do. do. prepared.
5192 Steel Scissors.

W. M. Cadell Esquire, Exhibitor.

- 5193 A model of the Lower Colleroom ancient south branch and bridge.

Mr. C. W. Maitland, Exhibitor.

- 5193½ Model of Locks and Drains on the Munnyaur River in the District of Tanjore.

TINNEVELLY.

Sunkarasoobien, Exhibitor.

PADDY.

101 Aunycomben.

Soobramoneya Pillay, Exhibitor.

102 Caudy calottan Paddy.

Sunkarasoobein, Exhibitor.

103 Mutta vally Paddy.

Maharaja Pillay, Exhibitor.

104 Manulvaree Paddy.

105 Vellarikeravee. do.

106 Cooroovycalyan. do.

107 Thooyamully. do.

Thurmapermal Pillay, Exhibitor.

108 Vellysumbah Paddy.

109 Sumbah. do.

Maharaja Pillay, Exhibitor.

110 Custoorv Sumbah Paddy.

DRY GRAINS.

Nullaseven Pillay, Exhibitor.

111 Caipy or Raggy.

Meeras Soobaroyer, Exhibitor.

112 Cockoi cholum.

113 Cumboo or Spiked millet.

114 Varagoo

115 Bengal Gram.

116 Sawmie.

Nullaseven Pillay, Exhibitor.

117 Black Gram.

Meeras Soobaroyer, Exhibitor.

118 Horse Gram.

Sodalamoottoo Pillay, Exhibitor.

119 Mochycottai or Buller.

120 Peroompayaroo or Big Gram.

Nullaseven Pillay, Exhibitor.

121 Green Gram.

Ramen, Exhibitor.

122 Rape Seed.

Nullaseven Pillay, Exhibitor.

123 Caster Oil Seed.

Ganapathy Sastry, Exhibitor.

124 Senna Seed of European variety produce in Tinnevelly District.

Samoovien, Exhibitor.

125 Senna leaves Exotic.

Maharajah Pillay, Exhibitor.

126 Turmeric Fibres.

Valun Chetty, Exhibitor.

127 Gunny piece made of Janapa fibre 5 cubits long As. 3-4.

128 Janapa or Indian hemp fibre.

129 Rope made of Do.

Madasawmy, Exhibitor.

130 Rope made of Palmira fibre.

Weaver Mootosawmy, Exhibitor.

131 Cotton thread.

Sooben, Exhibitor.

132 Winnowing baskets made of Palmirah Stalk.

Nullaseven Pillay, Exhibitor.

133 Churka.

Daivanaigum Iyengar, Exhibitor.

134 Artificial Brinjal.

135 Do. Pomgranate.

136 Do. Cucumber.

Moottumbalavanum, Exhibitor.

137 An Image of Goddess made of Copper Rs. 2.

CARPENTERS.

Pichen, Arnachellum, Soodalamoottoo, Exhibitors.

138 A Wooden Image of Kristnen in a creeping posture R. 1-

TINNEVELLY.

GOLDSMITHS.

Moondroomoogumcondan, Palavasum, Co-
marasawmy, and Sevasoobramoneyen,
Exhibitors.

- 139 Small Silver plate on which the
figure of Lutchmy is engraved.
As. 12.

Marecapathen, Thurmalingaputhen, Ex-
hibitors.

- 140 A Doll engraved on a small Silver
Plate Rs. 1.

FISHERMEN.

Cullamoottoo, Soodalamootoo, Palavasum,
and Sungaralingum, Exhibitors.

- 141 Thooree or a kind of snare made of
Stalk of Cocoanut leaves Rs. 1.
142 Cutchal or a kind of basket for fish
made of Do. As. 12.
143 Fishing net Rs. 3.

Teroovangadum, Coolunthavaloo, Ala-
ghey anumbee, and Sawmy Exhibitors.

- 144 Two papers containing different
specimens of dyes on the borders
of cloths and on Handkerchieves
used by natives As. 2-6.

Meeranjee Meah Saib, Exhibitor.

- 145 Horns of Bison with skull covered
with skin R. 1 As. 8.
146 Skin of Do. As. 8.
147 Horns of Do. with skull, Rs. 1-8.
148 Elk horns with skull covered with
skin R. 1.
149 Elk skin As. 8.

Nullamoden, (Hunter) Exhibitor.

- 150 Elk skin As. 8.

Meeranjee Meah Saib, Exhibitor.

- 151 Ibex horns with skull covered with
skin R. 1-8.
152 I bex skin As. 8.
153 Stags horns with skull covered with
skin R. 1.
154 Stags skin As. 8.
155 Spotted deer's horn with skin As. 8.

Shan Iyapen, Exhibitor.

- 156 Deer skin As. 2.

Meeranjee Meah Saib, Exhibitor.

- 157 Wild Boar's skull with tusks As. 4

Pitchen, (Hunter) Exhibitor.

- 158 Boar skin As. 4.

Meeranjee Meah Saib, Exhibitor.

- 159 Jackall's skin stuffed and set up
As. 4.
160 Black Monkey's skin stuffed and set
up As. 8.
161 Hill squirrels skin stuffed and set up
As. 8.
162 Flying squirrel stuffed and set up
As. 8.
163 Hedge Hog stuffed and set up As. 3.
164 Hill Tortoise Shells As. 2.
165 A Kind of Tortoise with a beautiful
Shell As. 4.
166 Fish bone As. 2.
167 Red Sand.
168 Black Do.
169 Large Grains of white sand.

TRANQUEBAR.

Hamlin Nott Esq., Civil Surgeon, Exhibitor.

FIBRES.

- 6958 Aloe Fibre.
- 6959 Aloe Fibre.
- 6960 Plantain Fibre.
- 6961 Ficus Religiosa or Arsa Nar.
- 6961 $\frac{1}{2}$ Ficus Religiosa or Arsa Nar.
- 6962 Rope of sizes prepared from the fibre of the Aloe perfoliata.
- 6963 Rope prepared from the fibre of the Ficus Religious.
- 6964 Rope prepared from the fibre of Musa Paradisiaca or Plantain.
- 6965 Soap prepared at Tranquebar.
- 6966 Arrow root.

TRAVANCORE.

Local Committee, Exhibitors.

MINERALS AND METALLIC SUBSTANCES.

3138	Iron Sand.
3139	Iron Stone.
3140	Iron Stone another sort.
3141	Iron Slag.
3142	Iron slag another sort.
3143	Plumbago.
3144	Plumbago stone and sand.
3145	Plumbago sand.
3146	Iron made from stone.
3147	Iron made from sand.
3148	Quartz cleared.
3149	Quartz uncleared.
3150	Mineral Dammer from earth.
3151	Red Ochre.
3152	Yellow Ochre.
3153	Charcoal dug from Verkullay.
3154	Do. do. 2d sort.
3155	Charcoal.
3156	Sulphate of Iron, As. 2-3.
3157	Do.
3158	Do.
3159	Mica.

Implements.

3160	Cape Comorin red sand.
3161	Do. black sand.

Materials employed in Architecture, and

Engineering, &c.

3162	Potters clay.
3163	Black clay.
3164	White clay.
3165	Another kind of White clay from Verkullay.
3166	A species of red Ochre from do.
3167	A species of yellow Ochre do.
3168	Limestone.
3169	Lime from stone.
3170	Iron bloom.
3171	Granite.
3172	Granite smoothed.
3173	Do. do.
3174	White Granite.
3175	White Granite smoothed.
3176	Dark white Granite.
3177	Do. do. smoothed.
3178	Black Granite.
3179	Do. do. smoothed.
3180	Green Granite.
3181	Narricul.
3182	Narricul smoothed.
3183	Hard white stone.
3184	Do. do. smoothed.
3185	Ferruginous sand stone.

Vegetable Kingdom.

3186	Fenugreek As. 2-2.
3187	Chilly Pice 5.
3188	Do.
3189	Coriander.
3190	Garlick, As. 2-1.
3191	Cloves As. 6-4.

3192	Turmeric long As. 1-7.
3193	Turmeric round As. 1-7.
3194	Dry Ginger As. 1.
3195	Cardamoms
3196	Cardamom seed Rs. 2-4.
3197	Mustard As. 2-5.
3198	Bird Chillies As. 1-8.
3199	Coffee As. 5-7.
3200	Mace As. 10-4.
3201	Cinnamon.
3202	Cinnamon (Country) Pie 3.
3203	Pepper long Pie 7.
3204	Areca Nut.
3205	Areca Nut sliced.
3206	Do.
3207	Areca Nut sliced and coloured.
3208	Nutmeg.
3209	Pepper black.
3210	Pepper white.

Grains Pulses, &c.

3211	Varoochamoonda Paddy.
3212	Karooppookaly do.
3213	Do. do.
3214	Varee do.
3215	Chumba do.
3216	Veetheemadungen do.
3217	Chen do.
3218	Kuttay Chumba do.
3219	Mottakoorooa do.
3220	Kookkiriparapilapen do.
3221	Navara do.
3222	Courtallam do.
3223	Anay komben do.
3224	Koorooa do.
3225	Vareecola chumba do.
3226	Coolavala do.
3227	Varicoli chumba rice boiled and dried.
3228	Do. Do. raw.
3229	Navara rice boiled and dried.
3230	Do. raw.
3231	Varee rice boiled and dried.
3232	Do. raw.
3233	Chumba rice boiled and dried.
3234	Do. raw.
3235	Moolagi rice boiled and dried.
3236	Vallachumba do.
3237	Koorootta chumba do.
3238	Table rice.
3239	Panangooroova paddy.
3240	Areekaravee do.
3241	Vellei Areekaravee do.
3242	Vellei chumba do.
3243	Keerivella do.
3244	Green Gram.
3245	Pig gram.
3246	Do. another sort.
3247	Horse Gram.
3248	Marsh.
3249	Pigeon pea.
3250	Buller.
3251	Bengal Gram.
3 52	Chamay.
3253	Chamay.
3254	Raggy.
3255	Raggy another sort.
3256	Great Millet.
3257	Ear of Italian Millet.
3258	Italian Millet.
3259	Spiked Millet.

TRAVANCORE.

- 3260 Common Millet.
- 3261 Sago.
- 3262 Giugelly seed.
- 3263 Choonday vuttel.
- 3264 Moorooceen vuttel.
- 3265 Aroola vuttel.
- 3266 Arrow sort.
- 3267 Arrow root prepared.
- 3268 Do. another root.
- 3269 Indian Sago.
- 3270 Tapioca sliced.
- 3271 Do. prepared.
- 3272 Round yam.
- 3273 Round yam starched.
- 3274 Chalanga.
- 3275 Chalanga sliced.
- 3276 Pidikilango.
- 3277 Seevakilango.
- 3278 Lilly seed.
- 3279 Common Millet.
- 3280 Yams seed.
- 3281 Saembankilango.
- 3282 Casheu Nut.
- 3283 Yams.

Assistant Surgeon E. G. Waring, Arranger, Exhibitor.

MEDICINAL SUBSTANCES.

- 3284 Wood Turmeric.
- 3285 Meringee.
- 3286 Margosa Bark.
- 3287 Samutira palam.
- 3288 Gall Nut.
- 3289 Caradamom seeds.
- 3290 Koomutikai.
- 3291 Konnaykai.
- 3292 Valambrikai.
- 3293 Clearing Nut.
- 3294 Marking Nut.
- 3295 Bondue Nut.
- 3296 Ink Nut.
- 3297 Chempaga Buds.
- 3298 Kodukkapooly.
- 3299 Nellikai.
- 3300 Caatoo seeragum.
- 3301 Veppalarisee.
- 3302 Castor Oil seed.
- 3303 Croton seed.
- 3304 Pollacooroovoo.
- 3305 Yettikottay.
- 3306 Kutcholam.
- 3307 Sweet flag root.
- 3308 Vaelam pisin.
- 3309 Vapon pisin.
- 3310 Mooronga pisin.
- 3311 Thennum pisin.

T. Madava Row, Dewan Peishkar, Exhibitor.

- 3312 Vuttathamarah pisin.

Assistant Surgeon E. Waring, Arranger, Exhibitor.

- 3313 Oaderie Vaengei pisin.
- 3314 Carrawah puttay.

- 3315 Sandal wood.
- 3316 Red Sandal wood.
- 3317 Cuss Cuss
- 3318 Athithirpili.
- 3319 Cheruthaik.
- 3320 Charrunay vayr.
- 3321 Poorasam Virei.
- 3322 Pinnay Poo.
- 3323 Thirpili Moolum.
- 3324 Thalispunthree.
- 3325 Amookkoorum.
- 3326 Turkolum.
- 3327 Karavaelum puttay.
- 3328 Chevium.
- 3329 Karkadasingoo.
- 3330 Cooroovilla Kadookkai.
- 3331 Galingal.

Local Committee, Exhibitors.

- 3332 Elanthacoaroo.
- 3333 Karinjotteecoaroo.
- 3334 Maravetticoaroo.
- 3335 Errooveli.
- 3336 Vetty vayr.
- 3337 Vaempaudumputtay.
- 3338 Pelamunjell.
- 3339 Chembon Nerinjie.
- 3340 Kundumkathree.
- 3341 Thoothoorilei.
- 3342 Emboora vayr.
- 3343 Tiroomalay Konnay.
- 3344 Chouttoo Konnay.
- 3345 Cheelaunthiputtay.
- 3346 Manjanauthiputtay.
- 3347 Chappungoo.
- 3348 Chaya Vayr.
- 3349 Indigo.
- 3350 Veloothacoonycoaroo.
- 3351 Sivanthacoonycoaroo.
- 3352 Manjaudycoaroo.
- 3353 Cheeyalkai.
- 3354 Thanikai.
- 3355 Peenaurumputtay.
- 3356 Auvauray vayr.
- 3357 Pannee vayr.
- 3358 Karoovalum vayr.
- 3359 Koomil vayr.
- 3360 Senthatty vayr.
- 3361 Kolinjei vayr.
- 3362 Vishamoongilkilango.
- 3363 Karinjoora vayr.
- 3364 Seenthokodee.
- 3365 Pauretta vayr.
- 3366 Cooroonthotty vayr.
- 3367 Erookkala vayr.
- 3368 Koarankilango.
- 3369 Causocutty or Catcheu.
- 3370 Thyvaula vayr.
- 3371 Peroomthoomba vayr.
- 3372 Notchy vayr.
- 3373 Nunnaury vayr.
- 3374 Aroogaukilango.
- 3375 Koopamaanee.
- 3376 Eaangoo vayr.
- 3377 Codaovaily vayr.
- 3378 Poongum vayr.
- 3379 Vaughaputtay.

Fibers and fibrous Manufacture.

- 3380 Pine apple fibre.
- 3381 Vellathoulay Naar.

TRAVANCORE.

3382	Aalam	Naar.
3383	Kuttaulay	do.
3384	Oday	do.
3385	Marul	do.
3386	Erookala	do.
3387	Mooroooca	do.
3388	Cul Aalum	do.
3389	Kyven	do.
3390	Chadamboo or Indian Hemp.	
3391	Vuccoo or Indian another kind.	
3392	Sago palm tree fibre.	
3393	Paraovully.	
3394	Paulvully.	
3395	Areiauyinithol.	
3396	Cotton.	
3397	Moorooocoo Cayer.	
3398	Mogara.	
3399	Aritta Cayer.	
3400	Koyven fibre Canvas.	
3401	Bags made of do.	
3402	Blank book made of Thallee kadjan.	
3403	Do.	
3404	Do.	
3405	Indian Hemp twine.	
3406	Thallipot palm leaves.	
3407	Do.	

General Cullen, Exhibitor.

GUMS.

3408	Gutta Parcha.
3409	Do. do.
3410	Do. do.
3411	Do. do.

Captain W. Gilby, Exhibitor.

OIL SERIES.

3412	Lemon grass oil.
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C. Sawmynadah Moodelly Marahmut
Sheristadar, Exhibitor.

3413	Cadal Amanakoo oil.
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Local Committee, Exhibitors.

3414	Wood	Oil.
3415	Earth	do.
3416	Poonga	do.
3417	Margosa	do.
3418	Karinjotta	do.
3419	Maravetta	do.
3420	Poovenga	do.
3421	Elooppa	do.

Resins.

2422	Dammer.
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Animal Kingdom Substances used as food.

3423	Honey.
3424	Do.

Substances for Medicinal purposes.

3425	Turtle Oil.
3426	Fish do.
3427	Caricheemala Nai.
3428	Muthy Nai.
3429	Chera Nai.

3430	Chalai Nai.
3431	Terachee Nai.
3432	Bees wax.

Substances used in Manufacture.

3433	Flying squirrel.
3434	Flying lizards.
3435	Stuffed Birds.

Machinery.

3436	Colored bow of Areca Nuts.
3437	Bow string.
3438	Motoo Umboo
3439	Oosee Umboo.

Manufactures, Fabrics spun and woven
from Cotton.

3440	Cotton thread (Yarn).
3441	1st Sort Cloth worn by Nairs.
3442	Long cloth unbleached.

Embroidery.

3443	1st Sort Gold thread.
3444	2d Sort do. do.
3445	Silver thread.
3446	Gold wire.
3447	Silver wire.
3448	Gold twisted wire.
3449	Silver twisted wire.
3450	Gold sunnathagadoo.
3451	Silver do.
3452	Ponnoo Jimiky.
3453	Vellee Jimiky.

Lace from Quilon.

3454	Lace	As. 11-6.
3455	Do.	Rs. 1.
3456	Do.	Rs. 1.
3457	Do.	
3458	Do.	Rs. 1.
3459	Do.	
3460	Do.	As. 14.
3461	Do.	As. 11-6.
3462	Do.	
3463	Do.	Rs. 1.
3464	Do.	As. 10-6.
3465	Do.	As. 10-6.
3466	Do.	
3467	Do.	
3468	Do.	As. 10-6.
3469	Do.	Rs. 1.
3470	Do.	Rs. 1.
3471	Do.	

Manufactures from rags and fibre and
similar Vegetable Substances.

3472	Demy size paper	As. 12.
3473	Cartridge paper	As. 12.
3474	Medicine paper	Rs. 1-8.
3475	China paper	As. 6.

Gopaul Sate Madaven Congany, Goldsmith,
Quilon, Exhibitor.

MANUFACTURES IN METAL SILVER ARTICLES.

3476	Bracelets in Silver	Rs. 11.
3477	Rootheratchum bracelets	Rs. 8.

TRAVANCORE.

- 3478 Shawl pins Silver Rs. 2-4.
3479 Rootheratchum shawl pins Rs. 1-8.
3480 Large silver broach Rs. 5.
3481 Small do. Rs. 3-8.
3482 Small do. Rs. 3.
3483 Butterfly do. Rs. 1-12.

T. Madava Row Dewan, Peishkar, Exhibitor.

- 3484 Filigree Bouquet holder.
3485 Do. Chain or Necklace.
3486 Silver Chain.

T. Kristno Row Dewan, Exhibitor.

- 3487 Carved Cocanutt shell mounted with silver.
3488 Filigree Card case of silver.
Golden Article.
3489 Golden Broach.

Local Committee, Exhibitor.

BELL METAL ARTICLES.

- 3490 Cups Rs. 2.
3491 Tumbler Rs. 2.
3492 Large table bell with a figure Rs. 6.
3493 Middle size bell Rs. 3.
3494 Small size bell Rs. 1-12.
3495 Sandal Cup Rs. 1-12.
3496 Table knives Rs. 7.
3497 Scissors Rs. 1.
3498 Metallic pen, knife and an hole driller Rs. 2-12.
3499 Sword Rs. 7.
3500 Bullock bells Rs. 1-8.
3501 Toy (Aseivooree) Rs. 1-12.
3502 Tobacco As. 8.

T. Madava Row Dewan, Peishkar, Exhibitor.

- 3503 Metallic Miror.

P. Shungoony Menoven, 1st Police Sheristadar, Exhibitor.

- 3504 Hour cup.

C. Sawmynadah Moodelly, Exhibitor.

- 3505 Table lamp. Rs. 18-8.

Local Committee, Exhibitors.

IRON ARTICLES.

- 3506 A set of writing Implements consisting of an iron penknife and an hole driller inlaid with gold. Rs. 23-5-2.
3507 Do. do. Rs. 2-12-2.
3508 Table knife.
3509 Areca nut cutter.

T. Madava Row, Peishkar, Exhibitor.

MANUFACTURES IN EARTHENWARE AND POTTERY.

- 3510 Goglets of kinds.
3511 Tea kettles of do.
3512 Pints of kinds.
3513 Incense pot.
3514 Measure of kinds.
3515 Cup.
3516 Saucers of kinds.
3517 Glasses of do.
3518 Baking Chuttee.

Local Committee, Exhibitor.

- 3519 Spitton.
3520 Bottles.
Implements.
3521 Grind stone made of lac.

T. Madava Row, Exhibitor.

- 3522 Whetstone.

Kristna Row, Dewan, Exhibitor.

WOODEN ARTICLES.

- 3523 Redwood walking stick ivory headed.
3524 Redwood rulers inlaid with ivory.

Local Committee, Exhibitors.

-MODELS.

- 3525 Native palankeen.
3526 Fishing boat.
3527 His Highness' Car.
3528 Water wheel.
3529 Cottayam shape Boat with 3 adah Numboo and Caloccoal for rowing.
3530 Choonden boat with 43 Tholah adah and Numboo for rowing.
3531 Small Vunjee Boat with 19 thandoo and rudder.
3532 Panna Chooreolum Oady Boat with 8 Thola and aday.
3533 Vudaceen Oady boat with 9 ruttoo pancyem.
3534 Chooreol and Paroondooraul boat with 7 tholah aday and numboo.
3535 Oady shape of boat with 3 Tholah.
3536 Sea boat with 6 Thundoos and 1 Pancyem.
3537 Cargo boat with 5 thundool and 1 Pancyem.
3538 Cuttoo Vullum boat with 3 thundoo Pancyem.
3539 Mats of Pandanas leaf.
3540 Do. do. Coloured.
3541 Grass Mat.
3542 Do. Coloured.
3543 Mat grass.
3544 Do. Coloured.
3545 Fans of palmyra leaf decorated with Nica.

T. Madava Row, Exhibitor.

- 3546 Mats of Pandanus leaf, coloured.

TRAVANCORE.

Local Committee, Exhibitors.

3547 Vythalinkai.

Ivory Articles.

- 3548 Elephant Rs. 12.
- 3549 Camel Rs. 10.
- 3550 Cow and Bullock Rs. 24.
- 3551 Royal Tiger Rs. 18.
- 3552 Deer and Stag Rs. 18.
- 3553 Antelope Rs. 14.
- 3554 Wild Boar Rs. 16.
- 3555 Goat Rs. 14.
- 3556 Dog and Bitch Rs. 16.
- 3557 Fox Rs. 10.
- 3558 Hares Rs. 10.
- 3559 Boy and Snake Rs. 20.
- 3560 Snake (Coiled) Rs. 20.
- 3561 Paper Cutter (alligator shape handle) Rs. 8.
- 3562 Do. Boy shape handle Rs. 8.
- 3563 Do. Flower shape handle Rs. 8.
- 3564 Do. Snake shape handle Rs. 8.
- 3565 Hand with pen Rs. 7.
- 3566 Hand with flower Rs. 7.
- 3567 Lotus red Rs. 14.
- 3568 Do. white Rs. 14.
- 3569 Alleepoo white Rs. 6.
- 3570 Do. red Rs. 6.
- 3571 Flowers with leaves Rs. 20.
- 3572 Brinjall long Rs. 2.
- 3573 Do. blue Rs. 1-8.
- 3574 Pavakai Rs. 1.
- 3575 Vendakai Rs. 1.
- 3576 Pechenkai Rs. 2-8.
- 3577 Vella choondakai Rs. 1.
- 3578 Mango Rs. 1-8.
- 3579 Kaffree chilly Rs. 2.
- 3580 Country chilly As. 8.
- 3581 Papoodalenkai As. 8.
- 3582 Poloocca Paccoo Rs. 1.
- 3583 Jamboo navel fruit Rs. 1.
- 3584 Avarakai As. 8.
- 3585 Birds of different kinds Rs. 90.
- 3586 Turner and his assistant Rs. 38.
- 3587 Doctor and patient Rs. 35.
- 3588 Insect (Thattan Pootzee Rs. 5.
- 3588 Sawyer and assistant Rs. 25.
- 3589 Butterfly and Insect Rs. 6.
- 3590 Husbandman and Tiger Rs. 15.
- 3591 Ants and flies Rs. 7.

Horn Articles.

- 3592 Snakes of Bison Horn Rs. 6.
- 3593 Lizards of do. Rs. 1-8.
- 3594 Crab, Snakes, Fly, Spider, Cockroaches, &c. &c., Rs. 26.
- 3595 Sago and Meal from an heart of Tallipot palm tree &c.
- 3596 White salt.

C. Sawmynadah Moodelly, Marahmut
Sheristadar, Exhibitor.

- 3597 Kulpaul or milk burst from the Rocks.
- 3598 Kulmadum.
- 3599 Catecheu.

General Cullen, Exhibitor.

- 3600 Wheat, &c.
- 3601 Ivory figure.

Binny and Co., Exhibitors.

- 3602 Cinnamon.
- 3603 Spices, &c. &c.
- 3604 Lemon grass oil.
- 3605 Coffee.
- 3606 Nutmegs and Mace.

Local Committee, Exhibitors.

- 3607 Sago and Meal from an heart of Tallipot palm tree.

P. Shungoony Menoven, 1st Police
Sheristadar, Exhibitor.

PADDY.

- | | Paddy. |
|------------------------------|--------|
| 3608 Velootha Aree | Paddy. |
| 3609 Eakkali Chumba | do. |
| 3610 Canavuttan | do. |
| 3611 Varee | do. |
| 3612 Mala | do. |
| 3613 Seeraga Chumba | do. |
| 3614 Coova | do. |
| 3615 Kootticooroova | do. |
| 3616 Varkoadee | do. |
| 3617 Vallia Chittany | do. |
| 3618 Chettipokkaulee | do. |
| 3619 Vallaloo | do. |
| 3620 Kooroothachootty arien | do. |
| 3621 Toonipauvoo | do. |
| 3622 Paundy | do. |
| 3623 Ponnaurien | do. |
| 3624 Chambavoo. | do. |
| 3625 Vellootha Cannen | do. |
| 3626 Charay | do. |
| 3627 Chengaladee | do. |
| 3628 Moondaga | do. |
| 3629 Vellapokkaree | do. |
| 3630 Velloothakodian | do. |
| 3631 Toolookadauvoo | do. |
| 3632 Eroomakalee | do. |
| 3633 Velloothachoottee arien | do. |
| 3634 Malay arien | do. |
| 3635 Naendirapallee | do. |
| 3636 Arien | do. |
| 3637 Injavara | do. |
| 3638 Chen | do. |
| 3639 Vaulee | do. |
| 3640 Veloothakoorooga | do. |
| 3641 Aneiksaden | do. |
| 3642 Koorooga | do. |
| 3643 Cheroo Chittanee | do. |
| 3644 Karangauree | do. |
| 3645 Chettee Vireepoo | do. |
| 3646 Pokkauly. | do. |
| 3647 Cheroomalay arien | do. |
| 3648 Cheroo valla | do. |
| 3649 Kada Vittoo | do. |
| 3650 Peenikooroova | do. |
| 3651 Soomondakuttala | do. |
| 3652 Eanjakaden | do. |
| 3653 Cooripa | do. |
| 3654 Panangooroova | do. |
| 3655 Aneikomben | do. |

TRAVANCORE:

3656	Chootty arien	paddy.
3657	Karoovindu	do.
3658	Banjakaden	do.
3659	Coopasambavoo	do.
3660	Carippookkali	do.
3661	Mayilpokkali	do.
3662	Sooty arien and Karoomonden	do.
3663	Vellay Chootty arien	do.
3664	Sitterakkalee	do.
3665	Sambavoo	do.
3666	Veedomadangen	do.
3667	Conttalam	do.
3668	Vellachambavoo	do.
3669	Mottakooroova	do.
3670	Velasiramoondugun	do.
3671	Seragasambavoo	do.
3672	Koottikoonippen	do.
3673	Navara	do.

Local Committee, Exhibitors.

3674 Illustrations of the Fossiliferous character of the Building stone called Laterite.

Moothoosawmy Pillay, Exhibitor.

3801 Model of Sudder Bungalow Rs. 150.

3802 Water Machine.

Comaravaloo Pillay, Exhibitor.

3803 Model of Open Court House Rs. 40.

Ramah Vurmah, 3d Prince of Travancore.

4279 2 Reflectors.

TRICHINOPOLY.

Local Committee, Exhibitors.

SKINS.			
170	Tiger Skin.	.. .. .	Rs. 7.
171	Cheetah Skin.	... ..	Rs. 4.
172	do.	.. .. .	Rs. 4.
173	do.	... ..	Rs. 4-8.
174	do.	.. .. .	Rs. 7.
175	do.	.. .. .	Rs. 6.
176	do.	... ..	Rs. 6.

Thayoomana Pillay, Exhibitor.

GRAINS.	
177	Paddy in the ear.
178	do do.
179	do do.
180	do do.
181	do do.
182	do do.
183	do do.
184	A Sample of Paddy
185	do. do. do
186	Black cholum stalk
187	do.
188	do.
189	do.
190	5 pieces of Pith.
190½	5 Samples of Grain in the ear.

Veerasawmy Naick, Exhibitor.

FIGURES ILLUSTRATIVE OF DIFFERENT CASTES.

3957	Man of bearer caste woman of	do do	Rs. 5.
3958	Man of Patan caste woman of	do do	Rs. 5.
3959	Man of Lalla caste woman of	do do	Rs. 5.
3960	Cook and wife	do do	Rs. 5.
3961	Mahomedan Sheikh wife of	do do	Rs. 5.
3962	Sheik or Singh wife of	do do	Rs. 5.
3963	Rajpoot wife of	do do	Rs. 5.
3964	Snake charmer wife of	do do	Rs. 5.
3965	Parsee		Rs. 2-8.
3966	Turk		Rs. 2-8.
3967	Man of Maharatta caste wife of	do do	Rs. 5.
3968	Officers butler wife of do or Ayah child	do	Rs. 5.
3969	Tailor wife of	do	Rs. 5.
3970	Malayalum Bramin man—1 woman and 2 children		Rs. 3.
3971	Moghul man and wife		Rs. 3.
3972	Woddurs or tank diggers 1 man 1 woman 2 children		Rs. 3.
3973	Hookah Burdar and wife		Rs. 3.
3974	Bird catchers 1 man 1 woman 2 children		Rs. 3.
3975	Pylewans—1 man—1 women 2 children		Rs. 3.
3976	Bangle merchant—wife and children		Rs. 3.
3977	Barber wife, and child		Rs. 3.
3978	Googerat man, woman and child		Rs. 3.
3979	Moghul merchant		Rs. 3.
3980	Fuckeer and wife		Rs. 3.
3981	Pith Figures of the Rajah of Mysore and 2 Ministers		Rs. 24 8.
3982	Model of Scotch Kirk, Madras		Rs. 21.

VELLORE.

Vellore Arsenal Workmen, Exhibitor.

MINERS TOOLS.

- 5194 Bars Iron Furnace.
- 5195 Tamping brass.
- 5196 Borers with steel points large and small.
- 5197 Bits troy miners.
- 5198 Drags with worm.
- 5199 Gads steel.
- 5200 Hammers hand boarding.
- 5201 Do. do. Loading.
- 5202 Do Sledge country.
- 5203 Jumpers iron.
- 5204 Poles pick.
- 5205 Scoops spoon iron 2 feet.
- 5206 Shovels iron sappers and miners.
- 5207 Tompions flat at both ends.
- 5208 Wedges medling miners 11 Inch.
- 5209 Do. do. do. 13 Inch.
- 5210 Wire priming copper.
- 5211 Helves for hammers loading.
- 5212 Do. do. do. Boarding.
- 5213 Do. do. do. Sledge.
- 5214 Do. do. do. Poles pick.
- 5215 Do. do. do. Bits troy.
- 5216 Do. do. do. Shovels.
- 5217 Mallets wooden small.

INTRENCHING TOOLS.

- 5218 Axes pick 10 lb. country.
- 5219 Do. do. 8 do.
- 5220 Do. Felling country.
- 5221 Do. Broad.
- 5222 Hammers for breaking stones with handle small.
- 5223 Hooks bill country.
- 5224 Helves for Axes pick.
- 5225 do. do. Mamoties.
- 5226 do. do. Axes felling.
- 5227 do. do. do. Broad.
- 5228 Mamoties 10 lb. country.
- 5229 do. 8 do. do. do.
- 5230 do. 6 do. do. do.
- 5231 do. 5 do. do. do.

ARMOUREES TOOLS.

- 5232 Bows drill.
- 5233 Hammers wrench.
- 5234 do. Revitting with helves.
- 5235 Pliers cutting.
- 5236 do. common.
- 5237 Stocks drill with drills.
- 5238 Vices bench iron country.
- 5239 do. hand do. do.

CARPENTERS TOOLS.

- 5240 Augurs iron Carpenters $1\frac{1}{4}$ inch.
- 5241 Axes hand with helve country.
- 5242 Braces carpenters with 25 bits.
- 5243 Chissels carpenter firmer $1\frac{1}{4}$ inch.
- 5244 do. do. do. 1 inch.
- 5245 do. do. Socket $1\frac{1}{4}$ inch.
- 5246 do. do. do. $\frac{3}{8}$ inch.
- 5247 do. do. Mortice $\frac{3}{8}$ inch.
- 5248 do. do. do. 1-11 do.
- 5249 Compass iron calibre pair.
- 5250 do. do. carpenters common.
- 5251 Gauge carpenter country.
- 5252 Hammers claw.
- 5253 Iron planes smoothing 2-18.
- 5254 Planes do.
- 5255 Squares carpenters 12 inch with steel blades.
- 5256 do. do. 6 do.
- 5257 Saws Tenant or fuze.
- 5258 Guages carpenter country common.

SUNDRIES.

- 5259 Locks Pad with Keys iron single $3\frac{1}{2}$ inch.
- 5260 Scissors pair,
- 8854 Adze Iron carpenters country.
- 8855 Saw bow armourers.
- 8856 Chissels Tumer Firmer.
- 8857 Do. do. do.
- 8858 Goujes carpenters Socket.
- 8859 Do. do. do.
- 8860 Do. do. Turner.
- 8861 Do. do. do.
- 8862 Knives laboratory small.
- 8863 Pincers iron.
- 8864 Spikes shove common.
- 8865 Spades country E. P.
- 8866 Gravers Turners.

VIZAGAPATAM.

Sedashia, Exhibitor.

- 8801 Backgammon Board Ivory and Tortoise shell Rs. 116.
- 8802 Ivory Box, Desk Jewel Box and work Box Rs. 127.
- 8803 Ivory Jewel Box Rs. 63-8.
- 8804 Ivory Jewel Box Rs. 63-8.
- 8805 Ivory Work Box Rs. 52-8.
- 8806 Ivory Work Box plain Rs. 52-8.
- 8807 Ivory Work Box fluted Rs. 53.
- 8808 Ivory Work Box fluted Rs. 58.
- 8809 Ivory Writing Desk with 2 secret drawers, large, Rs. 63.
- 8810 Ivory Writing Desk small Rs. 52.
- 8811 Ivory Basket Rs. 31-8.
- 8812 Ivory Basket Rs. 31-8.
- 8813 Ivory knitting Box Rs. 16.
- 8814 Sandal wood Writing Desk with 2 secret drawers, large Rs. 24.
- 8815 Sandal wood Writing Desk small Rs. 37.
- 8816 Sandal wood Work Box Rs. 32.
- 8817 Sandal wood Work Box Rs. 32.
- 8818 Sandal wood knitting Box Rs. 7-8.
- 8819 Elk Horn Writing Desk with 2 secret drawers, Rs. 42.
- 8820 Elk Horn Writing Desk, envelope. complete Rs. 42.
- 8821 Elk Horn Work Box Rs. 40.
- 8822 Elk Horn Work Box Rs. 40

- 8823 Elk Horn Tea caddy large, Rs. 37.
- 8824 Elk Horn Tea caddy large, Rs. 37.
- 8825 Elk Horn Tea caddy small, Rs. 3 8
- 8826 Elk Horn Tea caddy small, Rs. 23-8
- 8827 Elk Horn envelope case, large Rs. 21
- 8828 Elk Horn envelope case, large Rs. 21
- 8829 Elk Horn envelope case, small Rs. 15.
- 8830 Elk Horn envelope case, small Rs. 13.
- 8831 Elk Horn Inkstand Rs. 21.
- 8832 Elk Horn knitting Box Rs. 7 8
- 8833 Tortoise shell knitting Box Rs. 17.
- 8834 Porcupine Quillknitting Box Rs. 6-8
- 8835 Ivory and Buffalo Horn envelope case Rs. 21.
- 8836 Buffalo Horn envelope case Rs. 11.
- 8837 Buffalo Horn knitting Box, large Rs. 11.
- 8838 Buffalo Horn knitting Box, with tray Rs. 6-8.
- 8839 Buffalo Horn knitting Box Rs. 5-8.

F. Cooper, Esq., Exhibitor.

- 8840 Six Palmyra leaf Umbrellas.
- 8841 Six do do Basket Buckets.
- 8842 One Oripa a Hili Umbrella.

J. H. Blackwell, Esq. Exhibitor.

- 8843 Elk Horn Flower Stand.

VIZIANAGRAM.

His Highness the Rajah of Vizianagram

Exhibitor.

NATIVE CLOTHS.

- 815 Upper cloth 'scarff' with lace Border of Bodasaram flower in 3 rows and with a lace fringe Rs. 34-13-1.
- 816 Do Lahery Vazrakane and Soondramanee bordered with lace Rs. 42-13-7.
- 817 Do. red Bodasaram in 4 flowers Rs. 26-14-10.
- 818 Do Bungal flowers and Soondramanee bordered with lace Rs. 23-1-7.
- 819 Pucha and upper cloth bordered with Vazarakane upper cloth Rs. 14-15-11. } Rs. 26-11-9,
Pucha Rs. 11-11-10. }
- 820 A piece of cloth As. 10.
- 821 A piece of cloth As. 10.
- 822 Do do As. 10.
- 823 Do do As. 12.
- 824 Do do As. 12.
- 825 Do do As. 10.
- 826 Vazrakanny roomal 5 yards. Rs. 14-10-3.

BASKETS, HATS, AND OTHER THINGS MADE OF

JAYEEKARA.

- 827 Round hat Rs. 1.
- 828 Riding hat As. 10.
- 829 Hat As. 12.
- 830 Bonnet Rs. 1-4.
- 831 Flower basket As. 8.
- 832 Round do As. 12.
- 833 Do do Rs. 1.
- 834 Do do As. 8.
- 835 Work basket As. 6.
- 836 Round do As. 12.
- 837 Do do As. 10.
- 838 Do flower do As. 8.
- 839 Square box As. 3.
- 840 Long basket As. 10.
- 841 Punka Rs. 1-4.
- 842 Ladies fan As. 8.
- 843 Pedestal mat As. 6.
- 844 Small mat As. 3.
- 845 Do do As. 2.

MINERALS.

- 846 Brimstone.
- 847 Carapa stone.
- 848 Red stone.
- 849 Granets or Cuncur.
- 850 Mangenees or Soorma.
- 851 Moordar Soonghec.
- 852 Plumbago.
- 853 Red Stone.
- 854 Granet Stone.
- 855 Cooroovindum stone or clean Iron
- 856 Chilamanee stone.
- 857 Sooda stone.

- 858 Iron stone.
- 859 Brown and Green soodda.
- 860 Seclajet.
- 861 Black stone.
- 862 Myca.
- 863 Lime Stone.
- 864 Pucha jagooroo.
- 865 Raute bundoo.
- 866 Black Myca.
- 867 Iron Ores.
- 868 Granets rose coloured.
- 869 Lime Stone.
- 870 Rock Crystal.
- 871 Parcilian clay.
- 872 Glass stone.
- 873 Myca stone.
- 874 Black stone.
- 875 Purple coloured stone.
- 876 Horn stone.
- 877 Black Glass stone.
- 878 Tree Coormum Mud.
- 879 Granet stone.
- 880 Tadcepak soorma.
- 881 Black stone.
- 882 Glass stones or Bangic stone.
- 883 Cheepooroopullay stone.
- 884 Another kind of glass stone.
- 885 Shoort.
- 886 Another kind of lime stone.
- 887 Chowdoovada plumbago.
- 888 Sooda stone.
- 889 Gaujoorajec.
- 890 Davarapully Chalk.
- 891 Flint stone.

WOODEN CASKETS.

- 892 Caskets coloured with scaling wax from No. 1 to 30 Rs. 4-5-9.

OINTMENTS.

- 893 Broongaraja tilem per scer Rs. 8.
- 894 Lanskadec tilem do. Rs. 6.
- 895 Navanada sidda tilem do. Rs. 5.
- 896 Narain tilem do. Rs. 7.
- 897 Servanga tilem do. Rs. 10.
- 898 Veshamoosti tilem do. Rs. 8.
- 899 Vantarashasa tilem do. Rs. 8.
- 900 Taumara tilem do. Rs. 4.
- 901 Vadavelesa tilem do. Rs. 4.
- 902 Ponnacany oil do Rs. 4.

GINKALOO OR GUMS

- 903 Toommabunka.
- 904 Moolaga bunka.
- 905 Valogabunka or Wood apple.
- 906 Cuttemundoo.
- 907 Boorooga bunka.
- 908 Maumede bunka or Mango Gum
- 909 Vapan bunka.
- 910 Rauve bunka.
- 911 Modooga bunka.
- 912 Jelooga bunka.

FIBRES.

- 913 Udda

VIZIANAGRAM.

- 914 Mogale
- 915 Aurete or plantain fibre.
- 916 Anasa or Thorn apple fibre.
- 917 Kitale
- 918 Janapa
- 919 Cutte
- 920 Coombhee.
- 921 Taute or Palmera fibre.
- 922 Benda.
- 923 Chavalee
- 924 Illadoo
- 925 Cauroobenda
- 926 Yerragogo
- 927 Murre
- 928 Sagamultala
- 929 Caroomerapa
- 930 Auranara
- 931 Cocanut fibre.
- 932 Elana or date fibre.
- 933 Chittee unkoodoo fibre
- 934 Bhadrashree
- 935 Lolooga
- 936 Doostoopoo
- 937 Ramapalapoo
- 938 Entrinia

SKINS OF ANIMALS.

- 939 Tiger's skin.
- 940 Leopard.
- 941 Bear.
- 942 Wooroodoopundy.
- 943 Hare.
- 944 Musk Cat or Bhootapilly.
- 945 Woodoom or Gauna.
- 946 Conda Yelka or Hillrat.
- 947 Woodataor Squirrel.
- 948 Doonmalagoondoo or Hyana.
- 949 Condahgarah or Shamoy.
- 950 Dooppee or Slag.

MEDICAL ROOTS.

- 951 Pilly Vandrum.
- 952 Yerrachitramoolum.
- 953 Thallachitramoolum.
- 954 Gulgaroo.
- 955 Soogundhee or Sarasaparilla.
- 956 Nulla Woopy.
- 957 Thalla Woopy.
- 958 Comununchee Valloo or roots.
- 959 Wild Indigo.
- 960 Aulatagada.
- 961 Buddoomoodee.
- 962 Vistnoo Cranita.
- 963 Nemale Chacka.
- 964 Pootta podara.
- 965 Thalla Eswara.
- 966 Patavaroo.
- 967 Nalla Vomum or Charcata root.
- 968 Thippatira.
- 969 Agneevondrum.
- 970 Bramaremauree root.
- 971 Pilly Tagaloo.
- 972 Audda sorum.
- 973 Vetamoongee.
- 974 Purpata eum.
- 975 Cusminda.
- 976 Thallagu Jaroo.

- 977 Caurooppippaly.
- 978 Doostoopoo varoo.
- 979 Votti Valloo or Cuscus
- 980 Bremma made.
- 981 Vaulavadisa.
- 982 Challagoomoodoo.
- 983 Narramameedee.
- 984 Mooneegobbee.
- 985 Pedamoottoova poolgum.
- 986 Moolloovapoolgum.
- 987 Sahadavee.
- 988 Gutcha roots.
- 989 Pedda Vuncoodoo.
- 990 Saimbranee or Benzoin.
- 991 Maula yerikita.
- 992 Nellachappita or grundhee Tigaram.
- 993 Auradoompa.
- 994 Thellagoolivinda.
- 995 Thella dintana.
- 996 Gauravaroo.
- 997 Chevoo Coovalaga.
- 998 Pala conesa.
- 999 Nulla dintana.
- 1000 Caurooingoova.
- 1001 Cooloorooboodama.
- 1002 Jerreaukoo roots.
- 1003 Gooddoo augankara.
- 1004 Yelakachaveeukoo.
- 1005 Chachee bonda doomna.
- 1006 Godasoogundhee.
- 1007 Neelevempalee.
- 1008 Indooga.
- 1009 Thella Cacketa.
- 1010 Auravareoor root.
- 1011 Peddagoomoodoo.
- 1012 Nelatadce.
- 1013 Pundeemootti doompa.
- 1014 Cauroopusoopoo.
- 1015 Carasa Aukoo.
- 1016 Cauroo aullum or wild ginger plant.
- 1017 Pindee tagaloo.
- 1018 Bommacacheka doompa.
- 1019 Condajanoomoo.
- 1020 Naugagoloogoo.
- 1021 Paulagarooda.
- 1022 Gayapoo chacka.
- 1023 Vattoor chettoo or plant.
- 1024 English oats.
- 1025 Yevaloo.
- 1026 Teesce.
- 1027 Gasagasaloo.
- 1028 Coffee.
- 1029 Rice
- 1030 Cundoooloo
- 1031 Conda cundee puppoo
- 1032 Common Condoloo
- 1033 Sanagaloo.
- 1034 Bodee Sanagooloo
- 1035 Sanagapuppoo
- 1036 Menapapuppoo
- 1037 Menoomooloo
- 1038 Teega menoomooloo
- 1039 Pasara puppoo
- 1040 Iutcha pasaloo
- 1041 Pilly Masaloo
- 1042 Teegapasaloo
- 1043 Thellajonnaloo
- 1044 Mockajannooloo

VIZIANAGRAM.

1045 Dhaneyaloo
 1046 Gunteloo
 1047 Carraloo
 1048 Desakaloo
 1049 Mentooloo
 1050 Vavintaloo
 1051 Chilly
 1052 Vaumum
 1053 Horse Gram
 1054 Pasoopoo Coomooloo or Turmaric
 1055 Black horse gram
 1056 Garlic
 1057 Onion
 1058 Tobacco
 1059 Mosurloo
 1060 Aulachundooloo
 1061 Cholloo
 1062 Tobacco seeds
 1063 Thella Desaculoo
 1064 Ianoomooloo
 1065 Woodaloo
 1066 Condajannaloo
 1067 Bobbarloo
 1068 Tunlapoo Gingaloo
 1069 Pyragingly seeds
 1070 Tooreala
 1071 Nulla
 1072 Volesa
 1073 Nulla Volesa
 1074 Lamp Oil seed
 1075 Chitteesamoodaloo
 1076 Auvaloo or mustard
 1077 Tella do
 1078 Dry ginger
 1079 Kachooraloo
 1080 Tcongamoostaloo
 1081 Vasintagoonda
 1082 Palogoonda or Arrowroot
 1083 Pippale mody
 1084 Moodoogamadaloo
 1085 Kooncoodoo Cayaloo
 1086 Shee: cay
 1087 Mungachaka

1088 Vedooroo rice or bamton rice As 8.
 1089 Lucka poodaca
 1090 Custoor pasoopoo
 1091 Nulla jeedeeginjaloo or Monk seed
 1092 Jeedee mamedeegingaloo
 1093 Cauroomeriyaloor or Hill pepper
 As 1-4.

SUNDRY ARTICLES.

1094 Sarremuddela As 8
 1095 Putehee minum or raw wax
 1096 Vasaputum or a stand for book read-
 ing Rs. 2.
 1097 Bhoolapilly Geddaloo
 1098 Gaurapundoo
 1099 Jaggery
 1100 Palmyra Book
 1101 Peacocks quill
 1102 Palmyra box As 8
 1103 Causeegaujooloo Rs 1
 1104 Dasavauttee Rs 1-4-8.
 1105 Fan made of palmyra leaves round
 As 8.
 1106 Navasagram
 1107 Fan made of Myca in neat work
 Rs. 8.
 1108 Nucka pittoo
 1109 Mat made of Bamboo.
 1110 Currachickoo or puzzle.
 1111 Mauredoo cayaloo or Snuff boxes
 in No 3 Rs. 1-8.
 1112 Pulluppadaloo
 1113 Cuttee and Ghuntum Rs 2-4
 1114 Honey per seer As 4.
 1115 Stone Vessels As. 1-4.
 1116 Hill Cane.
 1117 Flute.
 1118 Punka made by broom Sticks
 Rs. 1-8.
 1119 Bamboo box As. 1.
 1120 Wooserega bottl As. 8.
 1121 Stone Slab As. 4.